Construction News

RAILWAYS, STEAM AND ELECTRIC

Proposed Work

Massachusetts—Marlboro Bd. Trade interested in plan to build railway from Marlboro to Waltham, 15 mi.

New York—Scranton & Binghamton Traction Co. made surveys for line from Harrington's Mills to Montrose. P. W. Day, Scranton, Gen. Mgr.

New Jersey—Pennsylvania & New Jersey R.R. making surveys for extension from Watnong to Paterson. Address F. R. Allen, Bernardsville.

Pennsylvania—Electric Standard Railways Co. incorporated with $1,000,000 capital stock to construct railways. G. L. Campbell, H. R. Noll and H. W. Lukens, Williamsport, interested.

Pennsylvania—Lehigh Coal and Navigation Co., Hazleton, plans to extend line to Cranberry and Harwood.

Pennsylvania—Northern Montour R.R., subsidiary of Pittsburgh Coal Co., Pittsburgh, plans line from Geary to Smith's Ferry, Beaver County.

Pennsylvania—Pennsylvania R.R. plans spur line from Bosco to coal fields south of Beallsville. A. C. Shand, Philadelphia, Ch. Engr.

Pennsylvania—Pennsylvania R.R. to spend $3,000,000 for improvements at Oil City, plans made. A. C. Shand, Philadelphia, Ch. Engr.

Maryland—Baltimore & Ohio Railroad Co. to spend $60,000 for improvements at Cumberland. F. L. Stuart, Baltimore, Ch. Engr.

Florida—H. C. Case granted permission by County Comrs., Clearwater, to construct railway from Park St., 1¾ mi.

Florida—East & West Coast Ry. plans to extend line to Miami. F. C. Gardner, Bradentown, Ch. Engr.

Florida—Hillsborough-Interurban Railway Co. incorporated with $1,000,000 capital stock to construct railway from Tampa to Safety Harbor through Hillsborough and Pinellas Counties, about 60 mi. J. E. Winter, Tampa, Vice-Pres. and Treas.

Florida—South Florida & Gulf R.R. to build extension from Prairie Ridge to Okeechobee City, 22 mi., by company forces. C. H. Armstrong, Kenansville, Ch. Engr.

Alabama—St. Louis & San Francisco R.R. plans to relay with 90 lb. rails 8 mi. line between Adamsville and East Thomas. F. G. Jonah, St. Louis, Mo., Ch. Engr.

Tennessee—Memphis St. Ry. plans to reconstruct tracks on Main St. J. A. Harlon, Memphis, Ch. Engr.

Ohio—Cleveland, Southwestern & Columbus Ry. plans to extend track east to manufacturing district, Elyria. E. F. Schneider, Cleveland, Gen. Mgr.

Ohio—New York, Chicago & St. Louis R.R. plans to electrify line from Lorain to Painesville. E. E. Hart, Cleveland, Ch. Engr.

Indiana—Cincinnati, Indianapolis & Western R.R. plans coal spur from Dana to Clinton. H. F. Passell, Indianapolis, Ch. Engr.

Michigan—Chicago, Milwaukee & St. Paul R.R. plans extension from White Pine. C. F. Loweth, Chicago, Ch. Engr.

Montana—Chicago, Milwaukee & St. Paul Ry. made surveys for line from Grass Range to Winnett, 20 mi. C. L. Loweth, Chicago, Ch. Engr.

Texas—Interstate Electric Co., New York, granted franchise by Council, San Angelo, to construct street railway. E. A. Fitkin, Pres. Noted Feb. 24.

Texas—Port Bolivar & Iron Ore Ry. making surveys for 10 mi. extension. L. P. Fetherston, Longview, Gen. Mgr.

Texas—Southwestern Ry. plans extension from Henrietta to Ringling. A. C. Parks, Henrietta, Pres. and Gen. Mgr.

Oklahoma—(Press)—New York Capitalists plan interurban railway from Oklahoma to Tulsa, about 100 mi. Address S. A. Horton, Oklahoma, Atty. at Law.

Idaho—Boise-Payette Lumber Co., Boise, making surveys for several spurs. C. A. Barton, Gen. Mgr.

Oregon—Silver Falls Timber Co. plans to electrify line from Silverton to logging camps.

Manitoba—J. W. Hull, Winnipeg, interested in railway from Transcona to Winnipeg.

Bids In and Contracts Awarded

Illinois—Cleveland, Cincinnati, Chicago & St. Louis Ry. let contract 8 mi. extension near Harrisburg to CARTER CONSTRUCTION CO., 2015 Railway Exchange Bldg., St. Louis. C. A. Paquette, Cincinnati, Ch. Engr.

Montana—Montana Eastern R.R., subsidiary of Great Northern Ry., let contract completion of line from Lewiston to Higgins, 25 mi., to A. GUTHRIE & CO., St. Paul. A. H. Hogeland, St. Paul, Ch. Engr.

Arkansas—Ft. Smith, Subiaco & Eastern R.R. to build line from Scranton to Dardanelle by company forces. J. H. Wright, Ft. Smith, Secy. Noted July 13.

LIGHT, HEAT AND POWER

Proposed Work

Vt., High Gate—City making plans for 1-story hydro-electric power plant. About $75,000. I. W. Jones, Milton, N. H., Engr.

N. Y., Dunkirk—City votes Aug. 3 on $200,000 for power plant.

N. Y., Poughkeepsie—Vassar College making preliminary plans for boiler plant. D. Sprague, 39 Cortlandt St., New York, Engr.

N. J., Trenton—Lenox, Inc., to build addition to power house on St. Joe's Ave.

N. J., Vineland—Borough Comrs. receiving bids Aug. 1 for addition to power plant. Noted June 8.

Penn., Beaverdale—Logan Coal Co. will make plans for power house. A. Applegard, Gen. Supt. A. B. Corichton, Farmer's Savings Bldg., Engr.

S. C., Hickory Grove—J. S. and S. C. Wilkerson plan electric-light plant.

Fla., Tampa—R. Nettles, Tampa, applied for franchise to construct electric-light plant.

Ala., Greensboro—Hale Light and Power Co., incorporated with $10,000 capital stock, plans electric-light and power plant. E. P. Kimbrough, Greensboro, Pres.

Miss., Calhoun City—City plans electric-light plant.

Ky., Auburn—City plans electric-light and power plant.

Ky., Louisville—Kentucky Distilleries and Warehouse Co., Mellwood and Gregory St., to build boiler room at plant, $10,965.

Ky., Mt. Sterling—City soon votes on $40,000 bonds for electric-light plant. Noted Jan. 20.

Ohio, Cincinnati—Union Gas and Electric Co. made plans for power plant on 4th St., about $1,000,000. C. W. Deforest, Elec. Engr.

Ohio, Cleveland—Bd. of Public Ser. plans boiler house and laundry. About $15,000. E. R. Kinsey, Pres. Bd.

Ohio, Defiance—Trustees Defiance College plan heating plant, about $15,000.

Mich., Lansing—Lansing Fuel and Gas Co. to improve plant. About $250,000.

Mich., Onaway—Onaway Electric Light and Power Co. plans new dam on Black River.

Ill., Normal—City made plans for electric-light plant. Noted June 8.

Minn., Emmons—City election soon to vote on bonds for electric-light plant. E. J. Jackson, Capital Bank Bldg., St. Paul, Engr.

Minn., Ortonville—Otto Tall Power Co., Fergus Falls, plans transmission line to Ortonville.

Kan., Fremont—City plans distribution system and transmission line to connect with plant at Lindsborg.

Kan., Olathe—Attorney General declared election at which citizens voted $50,000 electric-light plant bonds illegal. New election. Noted Mar. 9.

Kan., Sterling—Citizens voted $45,000 electric-light plant bonds. W. J. Coyle, City Clk. Noted June 8.

Neb., Scotia—City making preliminary plans for electric-light system, about $5,000. H. L. Miller, Clk. Martz Engineering Co., Orpheum Bldg., Lincoln, Engr. Noted June 8.

Tex., Palestine—Texas Power and Light Co. plans extending power line 5 mi. About $10,000. E. B. Neiswanger, Dallas, Constr. Engr.

Tex., Rockdale—Texas Power and Light Co., Dallas, granted franchise to construct electric-light plant.

Okla., Muskogee—Muskogee Electric Traction Co. plans power plant, about $100,000.

Okla., Wetumka—City votes Aug. 3 on $4,000 bonds for electric-light plant.

Wash., Deming—Puget Sound Traction, Light and Power Co., Bellingham Div., plans substation.

Ore., Myrtle Creek—City plans election to vote on bonds to improve electric-light plant. M. D. Germond, Redmond, Engr.

Ore., Sumpter—Ben Harrison Mine plans to rebuild substation.

Ont., Stratford—Pub. Utilities Comn. making plans for new boiler house at distribution plant, about $11,000.

Ont., Toronto—Toronto Hydro Electric System, 226 Yonge St., Toronto, made plans addition to substation, about $20,000.

Alta., Peace River—W. D. Cromarty, University of Alberta, Edmonton, made plans for electric generating plant. R. C. Desroches, Ottawa, Secy. Dept. Pub. Wks.

Bids In and Contracts Awarded

N. H., Lancaster—Jones & Linscott let contract hydro-electric power plant to H. P. CUMMINGS CONSTRUCTION CO., Ware, Mass.

N. C., Bridgewater—Southern Power Co. let contracts 3 dams to RINEHART & DENNIS CO., Charlottsville, and HARDAWAY CONTRACTING CO., Columbus, Ga. About $3,000,000.

Mo., Kansas City—Ford Motor Co. let contract 1-story power house, 15th and Winchester St., to VANSANT CONSTRUCTION CO., 314 Dwight Bldg. About $75,000. Noted Jan. 6.

Ont., Orrillia—Council let contract reëquipping electric-light plant and system to BOVINE HYDRAULIC AND ENGINERING CO., Lindsay, about $140,000. Noted June 8.

BRIDGES

Proposed Work

Maine, South Portland—City plans highway bridge over Long Creek, about $4,000. C. West, Mayor.

Mass., Pittsfield—Bd. Pub. Wks. plans bridge on Hubbard Ave., about $10,000.

N. Y., Cohoes—(Official)—City receiving bids about Sept. 15 for bridge between Cohoes and Lansingburg. About $38,500. Noted July 13.

N. Y., Ogdensburg—City plans viaduct. About $15,000.

N. Y., Warsaw—Erie R.R. plans bridge at quarry of American Blue Stone Co., about $12,000. R. S. Parsons, 50 Church St., New York, Ch. Engr.

N. J., Trenton—County to build bridge over Sanhican Creek, about $4,000. T. Tobish, Trenton, Engr.

Penn., Butler—City plans Wayne St. Viaduct. About $30,000.

Penn., Harrisburg—County to repair 7 bridges. Address County Clk., Harrisburg.

Penn., Newcastle—County will let contract for Gardner Ave. Viaduct in fall. T. A. Gilkey, Engr. Noted May 4.

Penn., Pittsburgh—(Official)—County does not plan bridge between Bellevue and city line on north side, as noted in July 13 issue.

Penn., Uniontown—County receiving bids Aug. 11 for 5 bridges. Harry Kisinger, Uniontown, Controller. Noted July 13.

Penn., West Chester—County plans bridge over Elk Creek. Address County Clk., West Chester.

Penn., Williamson—County received only bid for rein.-con. bridge over Dry Run from John Sanders. About $6,000. Noted July 13.

Penn., York—County receives bids soon for 4 bridges. About $75,000. Address County Clerk, York.

W. Va., Buckhannon—(Official)—County receiving bids Aug. 17 for 4 rein.-con. bridges. Address County Clerk, Buckhannon.

W. Va., Hamlin—Lincoln County receiving bids Aug. 4 for bridge over Guyandotte River at mouth Big Hart Creek. Oliver & Maupin, Huntington, Engr.

W. Va., Hanover—(Official)—County receiving bids Aug. 1 for rein.-con. bridge.

Ga., Calhoun—County plans concrete bridge. Address County Clk., Calhoun.

Miss., Brandon—County to build bridge over Farish Slough. Address County Clk., Brandon.

Ky., Paducah—Illinois Central R.R. plans bridge over Ohio River. A. S. Baldwin, Chicago, Ch. Engr.

Ohio, Akron—Summit County receiving bids Aug. 7 for bridge over canal on West Exchange St. About $50,000. U. G. High, Akron, Clk. E. W. Paul, Courthouse, Engr. Noted July 6.

Ohio, Cincinnati—County receiving bids Aug. 4 for concrete culvert on Markley Rd. A. Reinhardt, Cincinnati, Clk.

Ohio, Cleveland—County sold $500,000 bridge bonds. R. G. Krause, Cleveland, County Clk.

Ohio, Dayton—County receiving bids Aug. 3 for approaches to Bridge No. 74. W. H. Aazling Dayton, Clk.

BRIDGES—Continued

Ohio, Lower Salem—County plans bridge. Address County Clk., Marietta.

Ohio, Miamisburg—County Comrs. receiving bids Aug. 14 for bridge at Miamisburg. Address County Clerk, Dayton. Noted June 22.

Ohio, Somerville—County made plans for 240-ft. concrete bridge. Fred M. Hammerle, Hamilton, County Surv. Noted Apr. 13.

Ohio, Urbana—City voted $10,000 bridge bonds. E. F. Sweetman, City Engr. Noted May 4.

Ind., Connersville—City plans 4 bridges.

Ind., Lebanon—Boone County receiving bids Aug. 1 for 11 bridges. C. Goodwin, Lebanon, Audr. B. J. Moore, Court House, Engr.

Ind., Petersburg—Pike County receiving bids Aug. 8 for bridge work. J. D. Gray, Audr.

Mich., Ann Arbor—City lets contract bridge over Huron River on Broadway about Sept. 1. Manly Osgood, City Engr. Noted June 1.

Ill., Bloomington—City plans repairing West Locust St. viaduct. About $12,000.

Ill., Pittsfield—Pike County receiving bids Aug. 2 for bridge work. C. Older, Springfield, Bridge Engr.

Ill., Springfield — (Official) — State Highway Comn. receiving bids Aug. 2 for bridge in Flat Branch Township, Shelby County. About $6,340. N. A. Baxter, Shelbyville, County Highway Supt.

Iowa, Carthage—City voted $10,000 bridge bonds.

Iowa, Council Bluffs—City plans free bridge from Council Bluffs to Omaha.

Iowa, Iowa City—County plans to improve Curtis Bridge. Address County Clk., Iowa City.

Minn., Rochester—City plans bridge over west branch Bear Creek at College St. J. C. Utton, City Engr.

Kan., Hutchinson—Arkansas Valley Interurban Co. plans several rein.-con. bridges between Hutchinson and Wichita. Charles D. Bell, Wichita, Ch. Engr.

Kan., Manhattan—County receiving bids Aug. 8 for 5 bridges. Address G. Hungerford, Manhattan, County Clerk.

Kan., Oswego—City receiving bids Aug. 9 for 5 rein.-con. arch bridges.

N. D., Ellendale—County receiving bids Aug. 8 for concrete bridge. C. C. Misfeldt, County Audr., Ellendale.

N. D., La Moure—County receiving bids Aug. 9 for steel bridge over Maple River. O. C. Temple, County Audr., La Moure.

N. D., Mandan—Commercial Club plans wagon bridge over Missouri River between Mandan and Bismarck.

Mont., Miles City—County receiving bids Aug. 12 for steel bridge over Sunday Creek. Address County Clk., Miles City.

Mont., Sidney—City plans bridge and approaches over Yellowstone River.

Mo., Kansas City—City made plans for bridge at 31st and Brighton Ave. About $60,000.

Tex., Dallas—County plans foot bridge over Trinity River on Commerce St. Address County Clk., Dallas.

Okla., Stillwater—County plans rein.-con. bridge., W. T. Keys, Stillwater, County Clk.

Ark., Marion—Crittenden County making preliminary plans for temporary viaduct to connect Harahan Bridge with St. Francis levee, about $85,000. H. G. Ferree, Memphis, Tenn., Engr.

Wash., Burbank—County plans bridge over Snake River at Burbank. Address County Clk., Walla Walla.

Calif., Bakersfield—County receiving bids for bridge over Buttonwillow Slough Aug. 8. Address County Clk., Bakersfield. Noted June 29.

Calif., Live Oak—(Press)—County plans bridge over Feather River, about $120,650. Address County Clk., Yuba City.

Calif., Nevada City—County plans bridge over Dry Creek, about $4,700. Address County Clk., Nevada City.

Calif., Red Bluff—County making plans for bridge over Beegum Creek. C. Luning, Surv. Address County Clk., Red Bluff.

Calif., Rio Vista—Solamo and Sacramento Counties making plans for bridge across Sacramento River at Rio Visto. F. A. Steiger, Fairfield, Engr. Noted July 13.

Calif., Sacramento—(Official)—State Highway Comn. receiving bids Aug. 4 for 3 bridges, Sect. D, Route 2. Mayberry & Parker Los Angeles, and F. M. L. Johnson, Santa Barbara, Des. Engr.

Bids In and Contracts Awarded

Maine, Fairfield—Maine Central R.R. let contract 1st section bridge to T. STUART & SON, 222 Pearl St., Newton, Mass.; 2nd section to LATHROP & SHEA, 185 Church St., New Haven. About $625,000.

Mass., Salem—County Comrs. received bids for rebuilding bridge over Danvers River between Salem and Beverly from H. P. Converse Co., 88 Broad St., Boston, $201,946; Holbrook Cabot & Rollins Corporation, 6 Beacon St., Boston, $213,466; George T. Rendle, 270 Condor St., East Boston, $243,302. Noted July 6.

N. J., Somerville—(Official)—County let contracts for bridge work as follows: Miller Ave. bridge to JOHN ALGAIR, JR., Somerville, 5 bridges to D. REILY, Belleville, Western Pier to HICKEY & HOUGHTON, Somerville. Noted July 13.

Penn., Athens—State Bd. Pub. Grounds and Buildings received low bids bridge across north branch of Susquehanna River at Athens from Whitaker & Diehl, Harrisburg, $82,048; Pennsylvania Steel Co., Steelton, $85,996; W. S. Rae, Pittsburgh, $90,867. Noted July 6.

Penn., Berkeley—Philadelphia & Reading Ry. let contract bridge over Irish Creek to C. H. REINARD, Bloomsburg.

Penn., Hollidaysburg—Blair County let contract bridge over Tipton Run to D. E. WENTZEL CO., Bellwood, about $6,000.

Penn., Philadelphia—City let contract repairs to Bridge St. Bridge over Frankford Creek to INTERSTATE ENGINEERING AND CONSTRUCTION CO., Coleman Bldg., Philadelphia. About $5,100.

Penn., Pittsburgh—City let contract Plymouth Bridge to HERRICK CONSTRUCTION CO., about $6,749.

Ky., Oneonta—County Fiscal Court, Newport, rejected bids for bridge.

Ohio, Cincinnati—City let contract temporary bridge over Miami River at Millers Ford to C. C. HODGEON. About $4,800.

Ohio, Columbus—City let contract to repair Front St. Viaduct to E. M. SCULLY, $7,700.

Ohio, Curtice—Summit County let contract superstructure bridge over Cedar Creek to MODERN CONSTRUCTION CO., Fremont.

Ind., Frankford—(Official)—County let contracts 3 bridges to WILLIAM J. NEES, THOMPSON & KELLY and C. F. GREEN, Frankford. About $6,383, $3,567, $3,565. Noted July 13.

Ind., Jasper—County let contract bridge to BLUNKER & GEHLHAUSEN. About $9,738. Noted June 29.

Mich., Bay City—City let contract for repairing Cass Ave. bridge to STANDARD ENGINEERING CO., Toledo. About $28,900. Noted Apr. 20.

Mich., Flint—(Official)—Chevrolet Motor Co. let contract bridge across Flint River from Stevenson to Wilcox St. to AMERICAN BRIDGE CO., Detroit. Noted July 13.

Ill., Mackinaw—(Official)—County let contract bridge in Groveland Township to L. R. and C. C. SMITH, Washington, $4,373. Noted July 13.

Mich., Saginaw—(Official)—City received bids for repairing and rebuilding Mackinaw St. Bridge from Joliet Bridge and Iron Co., $14,890; Wynkoop-McGormley Co., $14,950; Standard Engineering Co., $15,760. Noted July 13.

Ill., Oswego—Kendall County let contract Cowdrey Bridge to J. BUIZER, Hillsdale.

Wis., Cato—Manitowoc County let contract 2 bridges to ZENDALE CEMENT CO., Manitowoc.

Wis., Chippewa Falls—(Official)—City let contract concrete arch bridge over Duncan Creek on Spring St. to IOWA BRIDGE CO., Minneapolis. About $13,950. Noted July 6.

Wis., Mauston—County let contracts bridges as follows: 4 bridges to W. D. JONES, Mauston, about $4,205; 2 bridges to WORDEN-ALLEN CO., Milwaukee, about $5,284; 3 bridges by day labor.

Minn., Dunnell—Town let contract bridge over Lake Fremont to F. REIMAN, Ceylon.

Minn., Granite Falls—County let contract bridge No. 2237 to M. A. ADAMS, 927 Andrus Bldg., Minneapolis. About $6,900.

Minn., Kasson—County let contract bridges No. 2289 and 2290 to Iowa Bridge Co. About $5,238.

Minn., Morris—Town let contract bridge to M. A. ADAMS & CO., 927 Andrus Bldg., Minneapolis.

Minn., St. Paul—City let contract for 2 north spans Mississippi St. Bridge to ST. PAUL FOUNDRY CO., Como Ave. and Mackubin St., $22,000. Noted July 6.

Minn., Winona—County to construct State Bridge No. 1509 by day labor. C. W. Anding, County Audr., Winona. Noted July 6.

Kan., Kansas City—Kansas City Terminal Railway Co. let contract 3-span, double-deck bridge across Kaw River at Osage Ave. to ARKANSAS BRIDGE CO., 2nd and Wyandotte St., Kansas City, Mo. About $1,500,000.

S. D., Huron—Headle County let contract culverts to GILBERT MANUFACTURING CO., Aberdeen.

S. D., Madison—Lake County let contract culverts to SIOUX FALLS METAL CULVERT CO., Sioux Falls.

S. D., Watertown—Codington County let contract bridge to J. D. BURT, Shore, about $5,000.

Tex., Richmond—City let contract bridge across Big Creek to RICE & WINDER, Richmond. About $25,000. Noted May 11.

Wash., Spokane—City let contract Division St. Bridge to WASHINGTON PAVING CO., Seattle, $108,443. Noted Feb. 17.

Wash., Spokane—City let contract Trent Ave. Bridge to WASHINGTON PAVING CO., Seattle, $93,463.

Calif., Baird—State Highway Comn., Sacramento, let contract 2 bridges in Shasta County to H. S. WILLIAMS, Sacramento, $18,044. Noted July 13.

Calif., Oakland—County let contract Crow Canyon Bridge to WESTERN CONSTRUCTION CO., $7,289.

Calif., Oakland—County let contract bridge in Pleasanton Rd. Dist. to D. McDONALD, $11,033.

Calif., Redding—County received low bids 2 bridges from W. Stephens, Redding, about $6,000.

Calif., Success—County let contract bridge over Tule River near Success to JOHNSON BROS., Kingsburg, $7,250.

WATER-WORKS

Proposed Work

Mass., Brookline—Council passed ordinance for mains in South and See St., about $10,000. F. F. Forbes, Supt.

Mass., Worcester—Citizens voted $50,000 bonds for reservoir at Howland Hill. G. W. Batchelder, Gen. Supt. Noted July 20.

Conn., Beacon Falls—Beacon Falls Rubber Shoe Co. making plans for water tower. F. A. Clark, Arch.

N. Y., Mt. Morris—City making plans for supply line, about $20,000. J. F. Dickey, Chn. Municipal Bd. C. C. Hopkins, Cutler Bldg., Rochester, Engr.

N. Y., Oxford—Bd. Mgrs. Women's Relief Corps Home receiving bids Aug. 8 for water supply for Relief Corps Home. G. Griffith, Pres.

Penn., Easton—City ordered by State Dept. of Health to improve works. S. G. Dixon, State Comr.

Penn., Erie—(Official)—Water Comrs. extended date for bids for pumping engine to July 28. Chester & Fleming, Pittsburgh, Engr. Noted July 6.

Md., Annapolis—Council defeated proposition for filter plant, about $23,000.

Md., Frederick—City election Aug. 7 to vote on water-works bonds.

Va., Chilhowie—City making plans water-works and sewer systems, about $25,000. J. D. Tate, Mayor. Noted Feb. 3.

La., Westwego—Citizens plan works. V. A. Pitre, interested.

Ohio, Alliance—City receives bids about Aug. 1 for filter plant in North Walnut St., about $120,000. L. A. Tonkle, Supt. Chester & Fleming, Union Bank Bldg., Pittsburgh, Engr.

Ohio, Greenville—(Official)—City soon receives bids for steam-driven air compressor and air-lift equipment for 2 wells. J. W. Moore, 47 Union Trust Bldg., Indianapolis, Consult. Engr.

Ohio, Lucasville—City plans works. Address J. H. Brant, Bd. Pub. Affairs.

Ohio, Mansfield—City receiving bids Aug. 15 for $27,000 water bonds. Hoyt Johns, City Audr. Noted June 22.

Ohio, Ravenna—City to sell $60,000 water bonds Aug. 14. W. A. Root, Audr. J. S. Mallette, Supt. Noted Apr. 27.

Ohio, Salem—City receives bids about Aug. 15 for mains and reservoir, about $50,000. J. M. Russell, Dir. Pub. Ser.

Ohio, West Park—Bd. Trus. receiving bids July 31 for 6-in. main in Bennington Ave. D. W. Nichols, Clk.

Ind., Lawrenceburg—Lawrenceburg Booster Club plans works, about $40,000. E. G. Bielby, Mayor.

Ill., Barry—City to vote on water-works. About $24,000. C. E. Beavers, Mayor—Noted Apr. 6.

Ill., Glenview—Bd. Trustees receiving bids Aug. 1 for tank and tower and pumping machinery and station. Marr, Green & Co., 17 North La Salle St., Chicago, Engr.

Ill., Glenview—Bd. Local Improvements receiving bids Aug. 1 for mains in Lake and other streets. About $25,773. Marr, Green & Co., 17 North La Salle St., Chicago, Engr.

Iowa, Ankeny—City voted $12,000 water-works bonds.

Iowa, Clinton—City authorized J. G. Thorne, City Engr., to make plans for system.

Iowa, Ft. Madison—Citizen's Water Co. soon lets contract for filter plant. Noted June 8.

Iowa, Milton—Citizens voted $18,000 water-works bonds.

Iowa, New Sharon—Citizens defeated $4,000 water-works bonds. Noted June 22.

Iowa, Waterloo—City plans extending water mains. J. P. Perry, Supt.

Minn., Austin—City voted $6,000 water-works bonds. William Todd, Supt.

Minn., Lakeside—City to extend mains about 1 mi.

Minn., Marshall—City plans mains. A. G. Rumford, Clk.

Minn., West St. Paul—(St. Paul post office)—City receiving bids in fall for water mains.

Kan., Caldwell—City plans to improve and extend works. I. M. Horton, Mayor.

WATER-WORKS—Continued

Kan., Geuda Springs—Citizens voted $17,000 water-works bonds. Benham Engineering Co., Colcord Bldg., Oklahoma, Engr. Noted Feb. 17.

Kan., Macksville—Citizens voted $30,000 water-works bonds. W. B. Rollins & Co., 439 Midland Bldg., Kansas City, Mo., Engr. Noted June 22.

Neb., Dixon—City receiving bids Aug. 2 for system, about $6,500. R. Flaherty, City Clk. Noted July 6.

Neb., Scotia—City making preliminary plans for works, about $10,000. H. L. Miller, Clk. Martz Engineering Co., Orpheum Bldg., Lincoln, Engr. Noted June 8.

Neb., Seward—Council appropriated $6,000 for improving system. W. S. Souders, Mayor.

Neb., Superior—City plans to abandon present well supply and build filter and treating plant. C. Hunter, Supt.

S. D., Millbank—City plans works. V. Halverson, City Clk.

N. D., Fargo—City receiving bids Aug. 16 for mechanical stokers and smoke eliminating fuel saving devices at pumping station. A. R. Watkins, Audr. F. L. Anders, Supt.

Wyo., Riverton—City receiving bids Aug. 3 for improving works. F. H. Allyn, Clk. C. C. Carlisle, 212 First National Bank Bldg., Cheyenne, Consult. Engr. Noted June 29.

Mont., Ft. Benton—County receiving bids Aug. 7 for works, about $10,000. J. S. Culbertson, County Engr.

Mont., Highwood—County receiving bids Aug. 7 for works, Special Improvement Dist. No. 1. L. M. Bond, Ft. Benton, Clk. Gerharz-Jaqueth Engineering Co., Great Falls, Engr. Noted June 22.

Mo., Kansas City—City plans pumping station. W. W. Hardin, interested.

Mo., Steelville—Citizens defeated $10,000 water-works bonds. Noted July 20.

Ark., Nashville—Preliminary plans made for system. Winters & Dove, Ft. Smith, Engr. Noted Nov. 11.

Tex., Austin—Gulf, Colorado & Santa Fe Ry. plans 290,450,000 gal. impounding reservoir on Killdugan Creek and 1 of 300,000,000 gal. on Brown Creek. F. Merritt, Galveston, Ch. Engr.

Tex., Shiner—City plans to improve and extend system.

Okla., Ardmore—City election July 31 to vote on $45,000 water-works bonds. G. H. Bruce, City Clk.

Okla., Bromide—Citizens defeated water-works bonds. Noted June 22.

Okla., Clinton—Citizens defeated $225,000 water-works bonds. Noted June 22.

Okla., McLoud—Citizens voted $15,000 water works bonds. Benham Engineering Co., Colcord Bldg., Oklahoma, Engr. Noted July 6.

Okla., Milburn—City defeated $21,000 water-works bond. Noted June 8.

Okla., Tulsa—City election Aug. 4 to vote on $300,000 water-works bonds. H. H. Wyss, City Engr. Noted May 25.

Utah, Vernal—City election Aug. 8 to vote on $23,000 improvement bonds.

Ariz., Wickenburg—City receives bids for improving works. H. B. Claflin, Phoenix, Engr.

Wash., Auburn—City soon receives bids for 8,000 ft. mains from 1st to Milwaukee St. F. Lemar, City Clk. Noted Nov. 1.

Wash., Factoria—School Dir. receiving bids Aug. 1 for gasoline engine and pumping head for 130-ft. deep well.

Wash., Langley—City plans to improve and extend system. H. J. English, Mayor.

Calif., Bairdstown—City election Sept. 5 to vote on $200,000 distributing system bonds.

Calif., San Dimas—San Dimas Water Co., making plans for reservoir north of Eucalyptus Ave. H. W. Collins, Prcs. Noted June 8.

Sask., Assiniboia—City receiving bids Aug. 8 for works. J. R. Nolan, Secy.-Treas. Murphy & Underwood, Saskatoon, Consult. Engr. Noted Mar. 16.

Alta., Lethbridge—City receiving bids Aug. 5 for filter plant. A. M. Grace, Comr. Pub. Wks. Noted Mar. 30.

Bids In and Contracts Awarded

N. Y., Walden—City let contract repairing dam to FALLKILL CONSTRUCTION CO., Highlands.

Ohio, Cleveland—City let contract pipe to J. McNEIL & BROS. CO., $8,050.

Ohio, Columbus—City received low bid lift pump from Dravo, Doyle Co., Pittsburgh, $19,475. Noted June 29.

Ill., Rock Island—City received low bid water tank and tower from Rock Island Bridge and Iron Works, $9,070. Noted June 22.

Ill., Waukegan—City let contract c.-i. pipe to J. M. DONOHUE, Stevens Point, Wis., $29,077. Noted June 1.

Wis., Madison—City let contract reservoir to J. R. McDONALD, Black River Falls. About $15,950.

Wis., Oshkosh—City received low bid c.-i. pipe from American Cast Iron Pipe Co., Minneapolis.

Iowa, Ossian—(Official)—Town let contract works to DES MOINES BRIDGE AND IRON WORKS, Des Moines, $14,916. Noted July 13.

Minn., Perham—City let contract $1,000,000-gal. tank on 100-ft. tower to DES MOINES BRIDGE AND IRON CO., Des Moines. About $9,720. Noted June 8.

Mont., Great Falls—City let contract filter plant to OLDON & JOHNSON, Missoula, about $175,000. Noted Feb. 24.

Tex., Dallas—City let contract valves and fittings to RENNSSELAER VALVE CO. Noted July 13.

Calif., Covina—City received low bid wells from D. A. Beck, Los Angeles. D. S. Stafford, City Clk.

SEWERS

Proposed Work

Mass., Newton—Council authorized $6,000 bond issue for South Meadow Brook Drainage.

Conn., Bridgeport—City making plans sewage pumping station. Hering & Gregory, 170 Broadway, New York, Consult. Engr.

N. Y., Olean—City making plans for sewer, West State St., about $11,000. E. E. Allen, City Engr. Noted July 20.

N. Y., Schenectady—City plans catchbasins in various streets. W. T. Wooley, City Engr.

N. J., Haledon—(Paterson post office)—City making plans for sewer system. H. J. Harder, Paterson, Engr.

N. J., Hoboken—City receiving bids Aug. 2 for sewers. D. A. HAGGEN, Clk. J. O. Whitemore, City Engr. Noted June 22.

N. J., Pitman—Citizens voted $110,000 sewer bonds. Noted Apr. 6.

N. J., Prospect Park—(Paterson post office)—City receives bids for sewer system and disposal plant. H. J. Harder, Paterson, Engr.

N. J., Woodbury—City plans sewage plant. Remington & Vosbury, 6th and Market St., Camden, Engr.

Penn., Clarion—Borough plans trunk sewer, about $40,000. H. T. Kissell, Engr.

Va., Chilhowie—See item under "Water-Works."

Fla., St. Cloud—City election soon to vote on $21,000 bonds for sewers and disposal plant.

Fla., St. Petersburg—City plans sewage plant. E. Kitchen, City Engr.

Ohio, Cleveland—City receiving bids Aug. 3 for sewers in Lake Shore, Blvd., Nathaniel, Mandalay, Way and Chester St. R. Hoffman, City Engr.

Ohio, Cleveland Heights—(Warrensville post office)—Village receiving bids Aug. 7, storm and sanitary sewers on Starrboro Rd. H H. Canfield, Clk. F. A. Pease Engineering Co., 802 Marshall Bldg., Cleveland, Engr.

Ohio, Coshocton—City receiving bids Aug. 7 for sewage plant, about $30,000. C. Fisher, City Engr. Chester & Fleming, Union Bank Bldg., Pittsburgh, Engr.

Ohio, Lancaster—City made plans sewers in West Wheeling and South High St. J. Triggs, City Engr. Noted June 15.

Ohio, Middletown—City making plans storm and sanitary sewers. C. E. Morrison, City Engr.

Ohio, Mt. Gilead—City plans sewer system and sewage-disposal plant.

Ohio, New Bremen—Village receiving bids Aug. 12 for storm sewer. H A. Schrage, Clk.

Ohio, Shaker Heights—(Cleveland post office)—Village receiving bids Aug. 1, storm and sanitary sewers. B. W. Willard, 804 Marshall Bldg., Cleveland, Engr.

Ill., Evanston—City making plans for sewer system, about $65,000. I. Brower, City Engr. Noted Mar. 2.

Ill., Glencoe—City making plans for sewer system and pump, about $5,000. Winders & Marsh, Engr.

Wis., Menasha—City plans sanitary sewer. S. S. Little, City Clk.

Wis., Wausau—Bd. Pub. Wks. receiving bids Aug. 10 for sewer in Adams St. B. C. Gowan, City Engr.

Iowa, Charles City—City voted $75,000 sewer bonds. W. S. Beattie, City Engr. Noted July 20.

Iowa, Oxford Junction—City soon lets contract for sewer system. M. Tschirgi & Son, 712 American Trust Bldg., Cedar Rapids, Engr. Noted June 15.

Minn., Chisholm—Village plans sewers, alleys west 5th Ave. E. E. Webber, Pres.

Minn., Mabel—City receives bids in August for sewers and sewage plant. J. F. Druar, 311 Commercial Bldg., St. Paul, Engr.

Kan., Chanute—(Official)—City receiving bids July 29 for sewers. About $5,000. C. G. Wood, City Clk. Noted July 13.

N. D., Bismarck—Council voted to build storm sewer in eastern section, about $55,000.

Mont., Anaconda—See item under "Streets and Roads."

Mo., Carthage—City receives bids for storm sewers. About $10,000. F. B. Newton, City Engr.

Mo., Harrisonville—City election Aug. 4 to vote on bonds for sewers and sewage plant. G. Bird, Harrisonville, Engr. Noted June 22.

Mo., Sedalia—See item under "Streets and Roads."

Tex., Amarillo—City soon receives bids for sewer extensions. R. B. Newcombe, City Engr.

Okla., Ardmore—City election July 31 to vote on $20,000 sewer bonds. G. H. Bruce, City Clk.

Okla., Ringling—City making plans sewers and disposal plant, about $30,000. McIntosh-Walton Co., State Bank Bldg., Oklahoma, Engr. Noted July 6.

Ont., Toronto—City receiving bids Aug. 1 for storm overflow sewer in Blackhall Ave. T. L. Church, Mayor.

B. C., Vancouver—Bd. Wks. authorized sewer on 11th Ave., about $4,500. F. L. Fellowes, City Engr.

Bids In and Contracts Awarded

Mass., Agawam—City let contract sewer system to L. C. FAY, 318 Main St., Springfield, about $30,000. Noted June 29.

Mass., Watertown—City to build surface drains in Belmont and Arlington St. by day labor, about $30,000.

R. I., Providence—Bd. Contract and Supply let contract sewers in Slater, Moure and Cuzon Ave. to F. R. SHAW; Chad Brown St., A. AIELLO. Noted June 22.

Conn., Danielson—City let contract sewers to W. H. BYRNE, Hartford.

Conn., Greenwich—Sewerage Comn. let contract disposal works and pumping station for Borough and Sewer Dist. No. 6 to SUBURBAN ENGINEERING CO., 15 West 38th St., New York, $67,662. Noted July 6.

N. Y., Auburn—City let contract sewer Prospect St. and Lyman Ave. to J. C. HEALEY, $5,000.

N. Y., New York—(Borough of Bronx)—(Official)—Borough let contract sewers in East 177th St. and Bainbridge Ave. to P. R. STANTON, 2327 Walton Ave., $26,425; Gifford Ave., DIMENNA & DELBALSO. Noted July 20.

N. Y., New York—(Borough of Manhattan)—(Official)—Borough received low bids receiving basins altered and improved from: Burnside Contracting Co., 270 Burnside Ave., Park Ave., $8,515, 3d Ave., $21,996, Madison Ave., $7,887; H. E. Fox Construction Co., 31 East 125th St., Park Ave., $6,684; J. J. Haduvin, Bowery, $5,739. Noted July 13.

N. Y., Ossining—City let contract sewer Market and Hill St. to LYONS & SYLVESTER, 23 Ann St.

N. J., Newark—(Official)—Passaic Valley Sewerage Comrs. let contract Sect. 22 of Lawrence St. Branch Intercepting Sewer to CULP CO., INC., Paterson, $46,537. Noted July 6.

Penn., Bradford—City let contract sewer Bank St. to J. B. SHEEHAN.

Penn., Johnsonburg—City let contract sewage plant to H. K. KOONS, trunk line sewer to MORACCO & ROSS. Noted June 22.

N. C., Henderson—(Official)—City let contract sewers and disposal plant to A. H. GUION, Charlotte, $11,669. Noted July 6.

Ohio, Akron—City let contract sewers Monroe St. to McALONAN BROS., 197 West Buchtel Ave., Bellvue; Fern and Easter St., M. H. O'TOOLE, 155 Gale Ave.

Ohio, Bowling Green—Bd. Pub Ser. let contract sewers West Merry Ave. to P. W. BREIASCH, Waterville; South Maple St., FINCH ENGINEERING CO., Bowling Green.

Ohio, Cleveland—City let contracts to MANSON CO., 120 B. & L. E. Bldg., $14,011, sewers in West 55th St., and to J. GALLAGHER, $20,635, sewers in East 154th St. R Hoffman, City Engr.

Ind., Portland—(Official)—City let contract storm and sanitary sewers to ADAM BROS., Lebanon.

Wis., Clintonville—City let contract sewers in Young, Grover and Lincoln Ave. to R. WERSWA & SON, Oshkosh. Noted July 6.

Iowa, Burlington—(Official)—City let contract sewers in North Nth, Sycamore and Bartlett St. to M. W. DALY; South 3d St. to YOUNG & BUSCH CONCRETE CO., both of Burlington.

Iowa, Corning—City let contract sewers northern section to F. O. AKIN.

Minn., Worthington—City let contract sewer to THORNTON BROS., Scandinavian-American Bank Bldg., St. Paul, $34,393. Noted Apr. 27.

Kan., Ellis—City let contract sewer system to EVERETT & BURT, Hutchinson, $38,927. Noted July 6.

S. D., Aberdeen—City let contract sanitary sewer to A DETLING & CO.

Mo., Stanberry—City let contract sewers to W. F. POWERS, Guthrie, Okla., $18,817. Noted June 22.

Tex., Corsicana—City let contract activated sludge sewage disposal plant to E. M. SCHEFLOW, Elgin, Ill., $7,984. Noted July 20.

Tex., Dallas—City Com. let contract sanitary sewer from Zangs Blvd. to Winnetka Heights to J. M. PRESTON, $17,208.

SEWERS—Continued

Tex., Houston—City let contracts north side disposal plant and Willow St. pumping plant to HORTON & HORTON, $195,000; south side disposal plant and pumping station, C. BASHAM, $90,000. Noted July 6.

Man., The Pas—City let contract sewage plant to NORTHWESTERN CONSTRUCTION CO., Regina, $4,490.

GARBAGE

Proposed Work

N. Y., Schenectady—City to issue $17,000 bonds for equipment for garbage collection. W. T. Wooley, City Engr.

N. J., Hightstown—City soon lets contract for collection of garbage.

Penn., Philadelphia—(Torresdale)—City plans ash-handling plant at Torresdale. Chester E. Albright, City Engr.

Tenn., Nashville—City plans incinerating plant. About $25,000. W. W. Southgate, City Engr.

Mo., Kansas City—City retained Rudolph Hering, 170 Broadway, New York, to advise on garbage disposal. Noted Oct. 28.

Que., Outremont—City receiving bids Aug. 2 for garbage incinerator. E. T. Sampson, City Clk. Noted Apr. 27.

STREETS AND ROADS

Proposed Work

Maine, Portland—Comr. Pub. Wks. receiving bids Aug. 21 for paving portion Congress St. E. M. Hunt, Comr. B. Bradbury, Jr., City Engr.

N. H., Franklin—City soon receives bids for paving portion Central St. J. C. Nowell, St. Comr.

Mass., Brookline—Selectmen receiving bids July 31 for paving Pearl St. E. A. McEttrick, Secy.

Mass., Chicopee—Council appropriated $4,500 for resurfacing Church St. and $6,700 for Britton St. F. P. Cobb, City Engr.

Mass., Marlboro—Council plans to pave Main, West Main, Highland and Pleasant St., about $48,000. W. J. Simonds, City Engr.

Mass., Reading—Bd. Selectmen receiving bids Aug. 1 for highway.

Mass., Springfield—City plans to improve St. James Ave., about $9,700. F. H. Clark, City Engr.

R. I., Cranston—City plans to pave 2 mi. Cranston St., about $30,000. E. E. Goff, City Engr.

R. I., Woonsocket—Council appropriated $6,000 for grading high school grounds. F. H. Mills, City Engr.

N Y., Little Valley—City will pave Main St., concrete, about $10,000. G. I. Oakley, City Engr.

N. Y., New Rochelle—Council to spend $19,000 for street improvements. F. A. Hadert, City Engr.

N. Y., New York—(Borough of Brooklyn)—Borough Pres., Room 2, Borough Hall, receiving bids Aug. 2 for improving various streets.

N. Y., New York—(Borough of Richmond)—Borough President, Borough Hall, St. George, New Brighton, receiving bids Aug. 3 for improving portion Broadway.

N. Y., New York—(Borough of Richmond)—Borough Pres., Borough Hall, St. George, New Brighton, receiving bids July 31 for improving portion Westervelt Ave.

N. Y., New York—(Borough of Richmond)—Borough Pres., Borough Hall, St. George, New Brighton, receiving bids Aug. 4 for concrete sidewalks on north side Amboy Rd., also crosswalks across streets intersecting Amboy Rd.

N. Y., Utica—City making plans for paving Rutgers St., about $20,000. J. Kemper, City Engr.

N. J., Bayonne—City Comrs. plan to pave 36th and 54th St., asphalt, also improve North St. W. L. Clarkson, City Engr.

N. J., Bound Brook—County receiving bids Aug. 1 for paving 8,000 sq.yd., brick. F. A. Dunham, Engr. in charge.

N. J., Jersey City—Bd. City Comrs. receiving bids Aug. 1 for improving Stevens Ave., bituminous concrete. C. A. Van Keuren, City Engr.

N. J., Orange—City plans to improve Central Ave., bituminous surfacing. F. T. Crane, City Engr.

N. J., West Hoboken—Council plans paving portion Savoye St., bituminous concrete. A. L. Wachlin, Town Clk.

N. J., West New York—Town Council receiving bids Aug. 8 for improving portions Polk, 21st, 9th and 15th St. L. Wolfe, Clk.

N. J., Woodbury—St. Com. plans to improve streets, about $35,000.

Penn., Connellsville—Council passed ordinance to improve Murphy St.

Penn., Harrisburg—City plans to curb and pave portion River St., asphalt. M. B. Cowden, City Engr.

Penn., Lock Haven—City receiving bids Aug. 1 for paving Henderson and East Main St., vitrified brick. C. E. Oherheim, City Clk. Noted July 13.

Penn., Philadelphia—Council plans to repave portion 8th St., wood block. C. Albright, City Engr.

Penn., Pittsburgh—Council voted to pave South 21st and Fredonia St., about $19,000. R. Swan, City Engr.

Penn., Roaring Spring—Borough plans to pave southern end Cemetery Ave.

Penn., Royersford—Council to spend $15,000 for street improvements.

Penn., Warren—City plans to improve 4th Ave., about $5,000. N. S. Rogers, Engr.

Penn., West Homestead—(Homestead post office)—Borough voted $50,000 bonds paving portion 8th Ave. Noted July 20.

Penn., Wilkes-Barre—City making plans paving Solomon St., brick, and Ruddle St., asphalt. M. C. Murray, Supt. Sts. and Pub. Imprvt. B. K. Finch, City Engr.

Del., Wilmington—Newcastle County Levee Court plans to improve Philadelphia Turnpike, about $8,000. Address County Clk., Wilmington.

Md., Baltimore—City receiving bids Aug. 2 for improving and paving various streets. R. M. Cooksey, City Engr.

Md., Baltimore—State Rd. Comn. receiving bids Aug. 8 for 21 mi. state highways. A. Shirley, Baltimore, State Highway Engr.

Va., Suffolk—City making plans resurfacing portion Washington St., bitulithic, about $6,000. R. H. Brinkley, City Engr.

W. Va., Fairmont—County receiving bids Aug. 3 for 20,500 tons limestone. A. G. Martin, Fairmont, Clk. County Court. J. R. Wilson, First National Bank Bldg., Mannington, Engr.

W. Va., Fairmont—County receiving bids Aug. 3 for 101,765 sq.yd. brick. A. G. Martin, Fairmont, Clk County Court. J. R. Wilson, First National Bank Bldg., Mannington, Engr.

W. Va., Huntington—Cabell County to sell $200,000 road bonds July 20. Address County Clk., Huntington.

W. Va., Moundsville—Council receiving bids Aug. 14 for paving portion Elm Ave. A. Purdy, City Engr.

W. Va., North View—(Clarksburg post office)—(Official)—Council receiving bids Aug. 5 paving and curbing Turnpike, 7th and 6th St. and Goff Ave. C. A. Osborn, 510 Union National Bank Bldg., Clarksburg, Engr. Noted Apr. 27.

N. C., Burgaw—Pender County, Grady Township, election Aug. 12 to vote on bonds for road work. Address County Clk., Burgaw.

N. C., Jonesboro—City voted $5,000 street improvement bonds.

Fla., Lakeland—Polk County to sell $1,500,000 road bonds Aug. 7. J. A. Johnson, Bartow, Clk. Noted June 15.

Fla., Palatka—Putnam County receiving bids Aug. 7 for improving Palatka to Jacksonville Rd. C. E. Rowton, Palatka, Chn. County Comrs.

Fla., St. Cloud—City plans election to vote on $15,000 bonds to improve portions New York and Pennsylvania Ave. and 10th and 11th St.

Fla., Tallahassee—Leon County to sell $100,000 paving bonds Aug. 14. O. C. Van Brunt, Tallahassee, Clk.

Ala., Camden—County receiving bids Aug. 14 for 5½ mi. Camden and Ackerville Rd. B. Hughes, Camden, Rd. Superv.

Miss., Jackson—Hinds County, Third Dist., plans bond issue for road work.

Miss., Jackson—Hinds County receives bids road work in First and Fifth Dists., about $100,000. W. B. Montgomery, Jackson, Engr.

Miss., Magnolia—City receiving bids Aug. 5 for 55 mi. gravel roads. L. L. Lampton, City Comr.

La., Alexandria—Rapides Parish, Rd. Dist. No. 8, voted $60,000 road bonds. Address Police Jury, Alexandria.

La., Arcadia—Bienville Parish, Wards 1 and 2 voted $30,000 road bonds. Address Police Jury, Arcadia.

La., Leesville—Vernon Parish Police Jury sold $150,000 road bonds. J. F. Smithis, Leesville, Pres. Noted Apr. 13.

La., New Orleans—(Official)—Highway Dept. of Bd. State Engrs., Room 104, New Orleans Court Bldg., receiving bids Aug. 7 for Des Allemands-Raceland section New Orleans-Houma Highway, Lafourche Parish. W. E. Atkinson, State Highway Engr.

Tenn., Athens—McMinn County election Nov. 7 to vote on $300,000 road bonds. Address County Judge, Athens. Noted July 20.

Tenn., Centerville—Hickman County plans election to vote on $225,000 road bonds. J. T. Bates, Centerville, County Judge.

Tenn., Kingston—Roane County Court plans to spend $25,000 for road work. Address County Clerk, Kingston.

Ky., Barbourville—Fiscal Court Knox County receiving bids Aug. 1 for grading road from Barbourville to Flat Lick, 8 mi., road from Bailey's Switch to Corbin, 13 mi. R. P. Black, Barbourville, Clk.

Ky., Bedford—(Official)—Trimble County receiving bids Aug. 8 for county road between Bedford and La Grange. R. Wiley, Frankfort, Comr. Pub. Rd.

Ky., Bedford—(Official)—Trimble County receiving bids Aug. 8 for county road between Bedford and Campbellsburg. R. Wiley, Frankfort, Comr. Pub. Rd.

Ky., Princeton—(Official)—Caldwell County receiving bids Aug. 1 for improving Princeton-Eddyville Rd. R. Wiley, Frankfort, Comr. Pub. Rd. Noted June 22.

Ohio, Akron—City receives bids about Aug. 25 for improving portion McGowan St. J. A. Gehres, City Engr. Noted May 25.

Ohio, Akron—City receives bids about Aug. 1 for improving Day and Stone St., about $8,000. J. A. Gehres, City Engr.

Ohio, Akron—Summit County Akron, receiving bids Aug. 10 for improving Aurora Pond Rd. in Summit, Cuyahoga, Geauga and Portage Counties, about $8,525.

Ohio, Belpre—Washington County soon receives bids for road work. Address County Clk., Marietta.

Ohio, Canton—County to sell $128,500 paving bonds July 26. W. C. Schick, Canton, Clk.

Ohio, Cincinnati—City plans to pave portion Gilsey Ave., bituminous macadam, about $11,676. F. S. Krug, City Engr.

Ohio, Cleveland—City receiving bids Aug. 2 for paving East and West Blvds., about $50,000. R. Hoffman, City Engr.

Ohio, Cleveland—City plans to pave McBride, Haltworth, Locke, East 128th, Cedar and East 19th St. R. Hoffman, City Engr.

Ohio, Conneaut—City receiving bids about Oct. 1 for paving Mill, 16th and Liberty St. and Madison Ave. W. C. Dickey, City Engr.

Ohio, Flushing—City receiving bids Aug. 7 for paving High St., brick or concrete. W. C. Fawcett, Martins Ferry, Engr.

Ohio, Greenfield—Village receiving bids Aug. 8 for improving portions 5th, Midway and Lafayette St., about $12,000. E. M. Conner, Clk.

Ohio, Greenville—Council passed resolution to improve portion Washington Ave.

Ohio, Holloway—(Official)—City sold $6,000 bonds for improving Main St. Noted June 29.

Ohio, Lima—(Official)—City receiving bids Aug. 3 for improving portion South Metcalf St. J. I. Heffner, City Clk. Noted June 22.

Ohio, Lima—(Official)—City receiving bids Aug. 3 for improving portion Shawnee St. J. I. Heffner, City Clk.

Ohio, Lima—City receiving bids Aug. 3 for improving portion East Elm St. J. I. Heffner, City Clerk.

Ohio, New London—(Official)—Village receiving bids Aug. 25 for improving portion South Main St. J. W. Byers, Clk.

Ohio, Ravenna—City receiving bids Aug. 7 for improving portions Page, Grant and Prospect St. and Mill Rd. W. H. Linton, City Engr. Noted May 18.

Ohio, Salem—Council passed resolution to improve portion Raymond St. B. M. French, City Engr.

Ohio, Salem—Council passed resolution to improve portion Getz St. B. M. French, City Engr.

Ohio, Shaker Heights—(Cleveland post office)—Village receiving bids Aug. 1 for improving portion Eaton Rd. C. A. Palmer, Clk.

Ohio, South Zanesville—(Official)—Village receiving bids Aug. 3 for improving portion Main St. O. L. Boal, Clk

Ohio, Tiffin—(Official)—City receiving bids Aug. 1 for improving portion St. Clair St., brick. L. O. Runkle, City Engr. Noted June 29.

Ohio, Warren—County receiving bids Aug. 14 for $158,000 road bonds. W. L. Hoffman, Warren, County Clk.

Ohio, Warren—Council passed resolution to pave portion Howland Ave. H. McKibben, City Engr.

Ohio, Woodsfield—Monroe County to sell $18,000 road bonds Aug. 7. T. O. Dougherty, Woodsfield, Audr. F. Ward, Engr.

Ind., Gary—Bd. Pub. Wks. plans to extend 15th Ave. W. J. Fulton, City Engr.

Ill., East St. Louis—Council passed ordinance to pave 23d St., concrete. E. F. Harper, City Engr.

Ill., Galesburg—City making plans for paving North Seminary St., about $23,152. F. M. Connelly, Engr.

Ill., Peoria—Bd. Local Improvements plans to pave Pennsylvania and Western Ave. L. D. Jeffries, City Engr.

Ill., Peoria—Trus. Peoria Heights plan to pave portion Galena Rd., concrete, about $22,000. L. D. Jeffries, City Engr.

Ill., Port Byron—Village plans macadam paving. W. Treichler, Court House, Rock Island, Engr.

Wis., Stoughton—City receiving bids Aug. 7 for paving portion Main St., brick or water-bound macadam, curbing and guttering portion Main, Monroe, South and Hamilton St. J. F. Icke, Washington Bldg., Madison, Engr. Noted Mar. 2.

Wis., Wausau—Bd. Pub. Wks. receiving bids Aug. 10 paving Scott St. B. C. Gowan, City Engr.

Wis., West Allis—Act. Bd. Pub. Wks. receiving bids Aug. 14 for improving portion Beloit Rd. E. G. Orbert, City Engr.

STREETS AND ROADS—Continued

Iowa, Perry—(Official)—City receiving bids Aug. 7 for 11,328 lin.ft. curb and gutter and 2,620 lin.ft. gutter. C. E. Wilson, City Engr.

Minn., Minneapolis—Park Bd. making plans for paving South Bay Blvd. J. A. Ridgeway, Secy.

Kan., El Dorado—City passed resolution to pave portion Emporia St. B. F. Alleback, City Clk.

Kan., Hutchinson—City passed resolution to pave portion Sherman Ave., W., and East 13th St. E. Metz, City Clk. G. L. McLane, City Engr.

Kan., Olathe—Johnson County receiving bids Aug. 12 for road work. W. J. Moore, Olathe, County Clk.

Kan., Peabody—City soon lets contract paving portion Main St. G. L. McLain, Engr.

Kan., Pittsburg—City soon lets contract 20,000 yd. paving. L. E. Curfman, City Engr.

S. D., Huron—City plans paving. S. S. Oviatt, Clk.

S. D., Madison—City plans to curb 8 blocks. W. Ray, Clk.

S. D., Mitchell—City plans to pave East 32d and East 34th St., 11,898 sq.yd. S. H. Smith, City Engr.

Mont., Bozeman—Council voted to pave North Black, North Church and South Ave., also to build curbs and sidewalks on South Grand Ave. C. C. Widener, City Engr.

Mont., Helena—City plans paving Helena Ave., about $67,000. J. D. McLeod, City Engr.

Mont., Walkerville—City plans paving, curbing and sidewalks on various streets.

Mo., Columbia—City making plans paving West Broadway and Hickman Ave. P. Price, City Engr.

Mo., Fulton—City receiving bids Aug. 10 for paving and curbing. F. E. Baker, City Engr.

Mo., Hayti—(Official)—City receiving bids Aug. 7 for paving 4 streets. A. V. Eachus, City Clk. Blair Boyle, City Engr. Noted Apr. 27.

Mo., Jefferson City—City plans to pave Clay and West Main St. P. Harding, City Engr.

Mo., Joplin—(Official)—City receiving bids Aug. 1 paving portion McKinley Ave. J. J. McAfee, City Engr. Noted July 13.

Mo., Joplin—City lets contract paving portion Wall St., rock asphalt, about Aug. 1, about $13,-188. J. J. McAfee, City Engr. Noted July 6.

Mo., Liberty—City passed resolution to pave Morse Ave. E. K. Carter, City Engr.

Mo., Monette—Council passed resolution to improve portion Central Ave. W. J. Fleming, Mayor.

Mo., St. Joseph—Bd. Pub. Wks. soon receives bids for paving portion 14th St. C. P. Hoff, City Engr.

Mo., St. Joseph—(Official)—Buchanan County receiving bids Aug. 5 for grading 13 mi. road. R. C. Cargill, St. Joseph, Surv. Noted July 6.

Mo., Salem—Dent County voted $160,000 road bonds. J. H. McDonald, Salem, Clk. Noted July 13.

Mo., Sedalia—(Official)—City receiving bids Aug. 7 for paving portion 4th St., brick. F. T. Leaming, City Engr. Noted July 13.

Mo., Springfield—City to pave portion Orchard St. A. D. Chrisman, City Engr.

Ark., Arkadelphia—City plans to improve streets. H. Allison, Mayor.

Ark., Glenwood—Pike County plans to pave 15 mi. road from Glenwood to Kirby, about $61,200. Address County Clk., Murfreesboro.

Tex., Clarksville—City receiving bids Aug. 25 for paving Walnut, Main, Broadway and College Ave., concrete, about $90,000. J. R. Johnson, Engr.

Tex., Clarksville—City plans to pave number of streets in Dists. Nos. 2, 3 and 4, about $90,000. J. R. Welsh, Clk.

Tex., Dallas—City plans to pave portion Lamar St., about $80,000. H. Moseley, City Engr.

Tex., Dallas—Property Owners plan to repave portion Jefferson Ave.

Tex., Frankston—County voted $100,000 road bonds. Address County Clk., Palestine. Noted June 1.

Tex., Greenville—Hunt County defeated $1,400,-000 road bonds. Noted July 13.

Tex., San Diego—Citizens voted $100,000 road bonds.

Tex., Sherman—City to curb, gutter and pave King St., about $35,000 to $50,000. O. J. Ellingson, City Engr. Noted July 13.

Tex., Stephenville—City plans to improve portion Tarleton Ave. and Graham St.

Tex., Van Alstyne—City plans to improve various streets.

Tex., Wichita Falls—City plans to pave portion 8th and Brook St. and Ohio Ave., concrete, about $40,000. L. C. Hinckley, City Engr.

Okla., Ardmore—Carter County plans election to vote on $100,000 road bonds. Address County Clk., Ardmore.

Colo., Glenwood Springs—Garfield County receiving bids Aug. 10, 2,350-ft. highway. C. L. Hubbard, Glenwood Springs, Clk.

N. M., Albuquerque—City receiving bids Aug. 7 for paving. T. Hughes, Clk. J. E. Hutchinson, City Engr.

N. M., Roswell—City plans paving Kentucky St. H. V. Abercrombie, City Engr.

N. M., Socorro—State Highway Comn. to spend $4,000 for Socorro-Mohollen Rd., Blue Canyon. J. A. French, Santa Fe, State Highway Engr.

Idaho, Challis—Custer County petitioned to call election to vote on $100,000 highway bonds. Address County Clk., Challis.

Wash., Burlington—Town receiving bids Aug. 7 for sidewalks portion Fairhaven Ave. I. A. Merchant, Clk.

Wash., Kent—Council passed ordinance to surface Meeker St., concrete. B. Bonidron, City Engr.

Wash., Marysville—Council plans concrete walks on Morgan and 7th St.

Wash., Pomeroy—City to soon let contract for improving Main St., about $14,000.

Wash., Pullman—City making plans for paving North State St. About $16,000. A. Myers, City Engr.

Wash., Republic—Ferry County receiving bids Aug. 8 for Permanent Highway No. 1-B. W. T. O'Connell, Republic, Clk.

Wash., Seattle—City to soon let contract for paving Alkai Ave., concrete, about $31,440. A. H. Dimock, City Engr.

Wash., Sumner—City plans paving. W. P. Wood, City Engr.

Wash., Toppenish—Council voted to build sidewalks on Toppenish Ave., about $13,000. C. A. Wyckoff, City Clk.

Wash., Walla Walla—City soon receives bids for paving portion Roosevelt, Howard and Pleasant St. W. R. Rehorn, City Engr.

Wash., Waterville—County receiving bids Aug. 10 for improving 4½ mi. Permanent Highway No. 41. R. F. Foster, Waterville, County Engr.

Ore., Astoria—City making plans paving portion Commercial St. G. T. McCrean, City Engr.

Ore., McMinnville—Council passed ordinance to pave all streets in Dist. No. 13.

Ore., Portland—City made plans for paving East 31st St. P. Dater, City Engr.

Calif., Berkeley—City making plans paving portion University Ave. J. J. Jessup, City Engr.

Calif., Los Angeles—City making plans for improving 2 mi. West 1st St. H. Hamlin, City Engr.

Calif., Placerville—City sold $30,000 bonds for paving route State Highway. A. Givan, Sacramento, Engr. Noted June 15.

Calif., San Bernardino—County plans 3 mi. cutoff, about $5,000. Address County Clk., San Bernardino.

Que., St. Hyacinthe—City plans to pave portions Rosalie Du Palais Dessaulles St., asphalt macadam, about $40,000.

Ont., Brantford—City plans to spend $21,000 for paving Erie Ave.

Ont., Lanark—City making plans for paving, about $100,000. W. Watters, Rd. Comr.

Ont., Ottawa—City plans to pave portion Merton St. About $10,000.

Ont., Ottawa—City soon receives bids paving and guttering portion Cooper St., asphalt. A. F. Macullum, Engr.

Ont., Ottawa—Bd. Control plans to pave Hamilton and Daily Ave. A. M. McCallum, Engr.

Ont., Walkerville—Council soon receives bids paving 3 streets. A. Miers, Clk.

Bids In and Contracts Awarded

Maine, Augusta—State Highway Comn. received bids for gravel road in Lewiston from Forgione & Romano, Portland, $14,196; James McGregor, Rumford, $13,262.

Mass., Dartmouth—State Highway Comn. let contract section highway to ACUSHNET CONSTRUCTION CO., New Bedford, $13,880. Noted July 20.

Mass., Northbridge—State Highway Comn., Boston, let contract section State Highway, to SOUTHBRIDGE ENGINEERING AND SUPPLY CO., Southbridge, about $23,415. Noted July 20.

R. I., Warren—School Comn. let contract curbing and walks Main St. School to E. J. DUBE.

R. I., Warren—State Bureau Rds. received low bid paving from Connecticut & Rhode Island Co., Inc., Meriden, Conn., $12,312.

Conn., Bristol—City let contract paving portion Main St. to BRABARA & D'AURIOLIO, Waterbury, $3.85 per sq.yd.

N. Y., Albany—(Official)—State Highway Comn. let contracts constructing and improving highways in various counties as follows: Road No. 1372, Osborn Center-Schenectady County line, Albany, 3.23 mi.: S. B. VAN WAGONEN, INC., Rondout, $48,938. Road No. 1404, Dormansville-South Westerloo, Albany County, 5.62 mi.: LANE CONSTRUCTION CORPORATION, Meriden, $65,594. Road No. 5609, Port Byron, Weedsport, Cayuga County, 3.89 mi.: CHARLES O. McCOMB, Syracuse, $49,378. Road No. 1395, East Guilford-Rockdale, Chenango County, 2.91 mi.: E. S. ARBOGAST, Stroudsburg, Penn., $30,065. Road No. 1375, Johnstown City, East Ave., Fulton County, 1.10 mi.: BRADY-OLTARSH CONSTRUCTION CO., New York, $13,977. Road No. 1402, Alabama-Batavia, Part 2, Genesee County, 7.60 mi.: COLD SPRING CONSTRUCTION CO., Buffalo, $75,837. Road No. 1361, Oneida Lake-South Bay and Oneida-South Bay, Part 2, Madison County, 5.65 mi.: JOHN R. BURCHILL, Syracuse, $54,922. Road No. 1591, Sweden-Walker, Monroe County, 7.93 mi.: WILLIAM H. MADDEN, Rochester, $66,373. Road No. 1343, Westbury-Hicksville, Nassau County, 3.09 mi.: RUSH CONSTRUCTION CO., New York, $34,192. Road No. 5408, Fulton City-East First St., Oswego County, 0.36 mi.: PATHFINDER CONSTRUCTION CO., Fulton, $17,-663. Road No. 1387, Canton Village, West Main St., St. Lawrence County, 0.44 mi.: ARTHUR F. McCONVILLE, Ogdensburg, $5,547. Road No. 5611, Coshocton-Naples, Part 1, Steuben County, 5.76 mi.: STEUBEN CONSTRUCTION CO., Hornell, $53,242. Road No. 1407, Newark-Sodus, Part 1, Wayne County, 3.97 mi.: DANA W. ROBBINS, INC., New York, $31,350. Road No. 1058, Wolcott-Savannah, Part 3, Wayne County, 2.25 mi.: STEUBEN CONSTRUCTION CO., Hornell, $14,960. Repair Contract 969, Erie County, 2.48 mi.: FRANK L. COHEN, Buffalo, $26,595. Repair Contract 987, Monroe County, 0.79 mi.: WHITMORE-RAUBER-VICINIUS, INC., Rochester, $25,897. Repair Contract 988, Westchester County, SAMUEL BESKIN, Beacon, $55,059. Road No. 1405, Thompsons Lake-Van Auken Corner, Albany County, 2.93 mi.: C. S. MATHUSA, Albany, $35,875. Road No. 1380, Jamestown-Ashville, Chautauqua County, 5.65 mi.: FULTON ENGINEERING CO., INC., Walton, $123,126. Road No. 1156, Oxford Village, Chenango County, 0.82 mi.: A. B. HAIGHT, Oxford, $15,414. Road No. 1403, Alabama-Batavia, Part 1, Genesee County, 7.94 mi.: MICHAEL F. RIPTON, Rochester, $90,091. Road No. 1354, Syracuse-Otsico, Part 1, Oswego County, 5.55 mi.: FRANK MALONE, Syracuse, $66,748. Road No. 1413, Hastings-Parish, Onondaga County, 2.04 mi.: EDWIN STYRING, Theresa, $23,165. Road No. 1409, Richfield Springs-Winfield, Parts 1 and 2, Otsego County, 7.87 mi.: J. L. RICHMOND, Hinkley, $124,673. Road No. 1388, DePeyster-Ogdensburg, St. Lawrence County, 11.16 mi.: SPELLMAN-OLIVER CONSTRUCTION CO., Chautauqua, $99,239. Road No. 1373, Hurley-Kingston, Ulster County, 2.73 mi.: PHILIP KRAMER, Paterson, $39,651. Road No. 1060, Lyons-Sodus Point, Parts 2 and 3, Wayne County, 6.41 mi.: THOMAS GRADY, Rochester, $56,987. Repair Contract No. 991, Cattaraugus County, 8.83 mi.: P. H. MURRAY, Rochester, $29,657. Repair Contract No. 989, Erie County, 3.55 mi.: THOMAS J. MURRAY, Leroy, $23,559. Noted July 20.

N. Y., Herkimer—City let contract paving to WARREN BROS. CO., Boston, about $18,000.

N. Y., Middletown—City let contract paving West Main St. to JENNISON-WRIGHT CO., 313-15 Huron St., Toledo, $16,000.

N. Y., New York—(Borough of Bronx)—(Official)—Low bidder paving portion Jerome Ave., Asphalt Construction Co., Madison Ave. and 137th St., $168,153. Noted July 13.

N. Y., New York—(Borough of Brooklyn)—(Official)—Low bidders paving various streets were: Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., West St., $20,377, 6th Ave., $8,406, 55th St., $6,011, 68th St., $11,542, 76th St., $5,567; Newman & Carey, Clay St., $5,976, Park Ave., $42,983, Prospect Ave., $20,018, 18th, $12,829; M. F. Scott, Navy St., $5,096; Borough Asphalt Paving Co., Cropsey Ave., $23,954; Uvalde Asphalt Paving Co., Ave. O, $5,529. Robinson St., $5,704. Noted July 13.

N. Y., New York—(Borough of Manhattan)—(Official)—Borough Pres. received low bids paving: Sicilian Asphalt Paving Co., 41 Park Row, 25th St., $7,958, 40th St., $18,207, 63d St., $8,933; W. J. Fitzgerald, 547 West 45th St., Beekman St., $27,080, Grand St., $41,467, 22d St., $22,667; Franklin Contracting Co., 52 Vanderbilt Ave., Delancey St., $32,450; T. Lapadula, West 134th St., $10,941. Noted July 13.

N. Y., New York—(Borough of Queens)—(Official)—Low bid paving portion Meadow St., Astoria Contracting Co., $8,834; 88th St., H. J. Mullen, $8,257. Noted July 13.

N. Y., New York—(Borough of Richmond)—(Official)—Uvalde Asphalt Paving Co., 1 Broadway, low bidder paving South wing Richmond Terrace, $4,972. Noted July 13.

N. Y., New York—(Borough of Richmond)—(Official)—J. E. Donovan, 2205 Richmond Terrace, low bidder paving portion Arrietta Ave., $20,591. Noted July 20.

N. Y., Rome—City let contract paving Ridge St. to WARREN BROS. CO., 142 Berkeley St., Boston, $5,000. Noted July 6.

N. Y., Yonkers—Bd. Contract and Supply let contract paving North Broadway to WARREN BROS. PAVING CO., 50 Church St., New York, $106,000.

N. J., Bayonne—City received low bid paving 29th St. from Uvalde Asphalt Paving Co., 1 Broadway, New York, $24,600. Noted July 13.

N. J., Bayonne—City received low bids paving from Uvalde Asphalt Paving Co., 1 Broadway, New York, Ave. C, $11,166, 8th St., $13,662, 5th St., $19,927; C. T. Kavanagh, Inc., 22d St., $61,-906. Noted July 6.

STREETS AND ROADS—Continued

N. J., Belleville—City let contract improving Linden Ave. to P. & P. JANNARONE, Belleville.

N. J., Fair Haven—City let contract sidewalks and curbing to T. MANSON & SON, Monmouth St., Redbank, $17,000. Noted June 15.

N. J., Montclair—Town let contract paving Upper Mountain Ave. to CONTINENTAL PUBLIC WORKS CO., 2 Rector St., New York, $82,916. Noted June 22.

N. J., Newark—City received low bid improving portion Frankfort St. from R. Doreity, Ridge St., Newark, $4,079. Noted July 13.

N. J., Oaklyn—City let contract paving to J. H. KELLY, 425 Market St., Camden, about $25,000. Noted July 6.

N. J., Trenton—Mercer County let contract resurfacing Lawrenceville-Princeton Rd. and Nottingham Way to NEWTON PAVING CO., Trenton, $109,070. Noted June 29.

N. J., Trenton—Mercer County let contract resurfacing portion Trenton-Hopewell Rd. to L. W. KLOCKNER, Mersersville, $48,362. Noted June 8.

N. J., Trenton—City let contract paving Nassau St. to HARLTON CONSTRUCTION CO., 2 Rector St., New York, $40,000.

N. J., Union Hill—City let contract paving 8 streets to CLINTON CONSTRUCTION CO., 306 Charles St., West Hoboken, about $50,000. Noted June 1.

N. J., Westfield—(Official)—Town let contract improving portions Stanley, Tremont and North Ave. to WELDON CONTRACTING CO., Rahway, $7,540; South and Mountain Ave., H. B. SPROUL CONSTRUCTION CO., $11,338. Noted July 6.

N. J., Woodbury—City let contract paving Franklin and Center St. to SUTTON & CORSON, Ocean City, $1.94 per sq.yd.

Penn., Beaver Falls—City received low bid paving 7th Ave. from J. G. McGuire & Co., New Brighton, $27,800.

Penn., Bedford—County let contract improving portion road in Woodbury Township to C. I. DETWILER & BRO., New Enterprise, $11,885.

Penn., Carnegie—(Official)—City let contract repaving 1st St. to S. GAMBLE CO., Main St., Carnegie, $56,782.

Penn., Corry—City let contract paving Pleasant St. to KEYSTONE CONSTRUCTION CO., Meadville, $11,075.

Penn., Dormont—City let contract curbing and sidewalks portion Liberty Ave. to H. McMULLEN, Banksville.

Penn., Erie—City received low bid grading French St. from L. V. Metz, Erie, 28c. per cu.yd.

Penn., Glenlyon—City let contract paving and curbing Spring St. and Alden Rd. to C. REES, 317 East Noble St., Nanticoke.

Penn., Harrisburg—City received low bid paving Swatara St. from Central Construction and Supply Co., $13,306. M. B. Cowden, City Engr. Noted Apr. 6.

Penn., Harrisburg—State Highway Dept. received low bids highways in various counties: Chester County, Route 131, Sec. S, Souder Construction Co., Lancaster, $109,631, D. E. O'Connell & Sons, Avondale, $110,999, P. J. Snyder & Co., Philadelphia, $113,076; Allegheny County, Route 108, Sec. 1, Monongahela Construction Co., Inc., Pittsburgh, $71,428, R. B. Taylor, Bellefonte, $75,959, Ridge Bros. Co., Pittsburgh, $76,249; Washington County, Route 108, Sec. 2, S. Gamble Co., $91,811, Parton Construction Co., Brownsville, $92,529, R. H. Cunningham & Sons Co., $102,748; Cambria County, Route 52, Sec. 4, J. L. Elder, Ebensburg, $146,542, S. Gamble Co., $182,278; Forest County, State-Aid Application 230, South Shore Construction Co., Erie, $11,527, B. Steel Hollidaysburg, $12,563, W. C. Simpson, Punxsutawney, $12,484; Delaware County, State Aid Application 407, J. E. Kelley, Darby, $25,101, C. T. T. Eastburn Co., Yardley, $25,348. Field, Barker & Underwood, Philadelphia, $26,047. Noted July 6.

Penn., McKeesport—City let contract improving Baker St. to T. H. CROSIER, Belgian Blk.

Penn., Millersburg—City let contract paving North and South Market and East Union St. to G. W. ENSIGN, INC., First National Bank Bldg., Harrisburg, $16,560.

Penn., Mt. Penn.—City let contract paving to HASSAM PAVING CO., Worcester, Mass.

Penn., Nanticoke—City let contract paving portion Prospect St. to J. BANK CONSTRUCTION CO., Lennett Bldg., Wilkes-Barre, $9,000. Noted Mar. 23.

Penn., Robesonia—City let contract paving to AMBLER-DAVIS & CO.

Penn., Sugar Notch—City let contract improving portion Oak St. to M. J. MALLOY, Sugar Notch.

Penn., Wanamie—City let contract paving and curbing Main Rd. to C. REES, 317 East Noble St., Nanticoke.

Penn., Washington—Washington County let contract road work to L. F. EDWARDS, Greensburg, $24,759.

Penn., West Chester—State let contract road work to NEFF, HORN & CO., Slatington, $60,000.

Del., Wilmington—County received low bid road from B. F. Wickersham, $6,500.

Va., Richmond—City let contract improving Meadow and Ashland St. to J. J. CURLEY.

W. Va., Clarksburg—County let contract 17 mi. road to WINSTON & CO., Richmond.

W. Va., West Union—Doddridge County let contract 7 mi. road to SISLER & MORSE, $13,500.

N. C., Asheville—City let contract paving to R. C. STEVENS.

Ga., Tifton—City let contract paving to GULF PAVING CO. ,Chattanoga, Tenn., about $45,000 available.

Fla., Arcadia—De Sota County let contract 25 mi. road to W. P. KENNEDY CONSTRUCTION CO., Tampa, $100,000; 35 mi. to EDWARDS CONSTRUCTION CO., Tampa, $150,000. Noted June 22.

Fla., Miami—City let contract paving to J. F. MORGAN & CO., Attalla, Ala., $121,031. Noted July 6.

Ala., Dadeville—Tallapoosa County let contract improving Rds. Nos. 1, 2, 3 and 4 to W. F. ALLEN, Montgomery; 5, 6 and 7, NIXON-SMITH CONSTRUCTION CO., Thomaston; concrete contract to CONCRETE STEEL CONSTRUCTION CO., Birmingham; steel bridges to VIRGINIA BRIDGE CO., Birmingham. About $90,000. Noted June 22.

La., Houma—Terrbonne Parish let contract 11.7 mi. road to J. N. GEORGE & SONS, Baton Rouge, $51,850. Noted May 18.

La., Monroe—City let contract curbing, paving and guttering to S. A. GANO, Jackson, Miss.

La., Napoleon—Parish let contract gravel to ALEXANDER GRAVEL CO.

La., New Orleans—State Highway Comn. received low bids Sect. H, Hammond-Amite Highway and section Amite-Covington Highway from P. Miller. Brussard, $31,300. H. J. Bonnabel, Ludedale, Miss., $32,000. W. J. Comerford, New Orleans, $38,385. Noted July 6.

Tenn., Erwin—City let contract paving to MURRAY CONSTRUCTION CO., Knoxville, about $12,000. Noted July 6.

Tenn., Murfreesboro—City let contract paving to WEST CONSTRUCTION CO., Chattanooga, about $50,000. Noted June 22.

Tenn., Rogersville—(Official)—Hawkins County let contract road work to NEWELL CONSTRUCTION CO., Birmingham, Ala. Noted June 22.

Ky., Hopkinsville—(Official)—Christian County let contract about 85 mi. road work to MONTGOMERY-PERKINS & CO., San Antonio, $209,277. Noted July 13.

Ky., Middlesboro—City let contract paving portion Cumberland Ave. to G. P. SHARP.

Ky., Mt. Sterling—City let contract paving, curbing and guttering to CAREY-REED CO., Lexington.

Ky., Newport—Campbell County Fiscal Court rejected bids for Old State Rd.

Ky., Somerset—Pulaski County let contract 50 mi. macadam road to CONLY CONSTRUCTION CO., Somerset.

Ky., Versailles—(Official)—City let contract paving and curbing to H. BUCKEL CO., Louisville. Noted July 6.

Ky., Wickliffe—(Official)—Ballard County let contracts road work: WEST KENTUCKY CONSTRUCTION CO., Wickliffe, 10 mi., L. E. CARTER, Lovelaceville, 4 mi., CRESAO BROS., Mayfield, 20 mi., R. L. FRAZER, La Center, 3 mi., G. SCAMHORN, Rickport, Ind., 10½ mi. Noted July 13.

Ohio, Akron—City received low bid paving Weber, Charlotte and Aqueduct St. from E. McShaffery & Son, $17,972.

Ohio, Canton—City let contract improving Arnold Ave. and Gamer St. to W. D. KELLY, $11,849.

Ohio, Cincinnati—City let contract paving Miami St. to E. O. MURRAY.

Ohio, Cleveland—City let contract paving portion West 36th St. to ROEHL BROS., West 25th and Lorain Ave., $7,164.

Ohio, Columbus — (Official) — State Highway Comn. received bids July 20 for constructing and repairing roads in various counties as follows: Champaign County, Sect. "P," Urbana-West Jefferson Rd., 1.25 mi.: McCann & McCann, Columbus, $18,980; Ohio Marble Co., Piqua, $19,730; McArthur & Fox, Belle Center, $19,623. Clermont County, Sect. "H," Cincinnati-West Union Rd., 1.05 mi.: Ellsworth Meeker, Bethel, $9,990; H. C. Logue, Amelia, $10,692. Erie County, Sect. "P," Milan-Elyria Rd., 1.35 mi.: Elyria Construction Co., Elyria, $15,206. Fayette County, Sect. "I," Springfield-Washington Rd., 2 mi.: Seiple & Wolfe, Youngstown, $15,815; J. R. Mustard, Ada, $16,156. Gallia County, Sect. "E," Jackson-Gallipolis Rd., 1.04 mi.: W. H. Martt, Gallipolis, $9,500. Geauga County, Sect. "A," Painsville-Warren Rd., 0.91 mi.: Farrell Engineering and Construction Co., Cleveland, $10,850. Geauga County, Sect. "D," Chardon-Madison Rd., 1.70 mi.: Farrell Engineering and Construction Co., Cleveland, $20,250. Guernsey County, Sect. "L," Cambridge-Caldwell Rd., 1.25 mi.: J. W. Butler, Cincinnati, $9,689; T. J. McKim, Marietta, $10,900. Hancock County, Sect. "A," Findlay-Kenton Rd., 3 mi.; Latshaw & Stinchomb, Fostoria, $26,383; J. W. Carey, Ada, $27,000; McCann & McCann, Columbus, $27,880. Lucas County, Sect. "I," Toledo-Napoleon Rd., 2 mi.: C. W. Ryan, Maumee, $18,950; Gray Bros., Bowling Green, $19,900. Ottawa County, Sect. "C," Bono-Port Clinton Rd,. 4.01 mi.: Muldon & Bergen, Genoa, $27,220; Brock Bros., Luckey, $27,352. Pickaway County, Sect. "K," Lancaster—Circleville Northern Rd., 1 mi.: Wilson & Hampshire, Circleville, (A) $11,122; (B) $9,100. Preble County, Sect. "F-2," Eaton-Richmond Rd., 1 mi.: H. C. Foster & Son, Richmond, $7,684; H. W. Curry & Co., Eaton, $7,825. Trunbull County, Sect. "E," Warren-Meadville Rd., 7.44 mi.: Seiple & Wolfe, Youngstown, $57,312; McDermitt & Hannan, Niles, $58,276. Tuscarawas County, Sect. "A," Canton-Canal Dover Rd., 2.97 mi.: J. W. Butler, Cincinnati, $14,299. Van Wert County, Sect. "G," Van Wert-Spencerville Rd., 2 mi.: A. J. Walther, Wapakoneta, $14,438; J. W. Carey Co., Ada, $14,931; Mueller Construction Co., Columbus, $14,969. Van Wert County, Sect. "B," Van Wert-Ft. Wayne Rd., 3 mi.: Sol. Putman, Van Wert, $23,890; George Baitman, Van Wert, $24,500. Vinton County, Sect. "G," McArthur-Athens Rd., 2 mi.: W. J. Keuhler, McArthur, $17,800. For maintenance and repair: Cuyahoga County, Sect. "B," Rocky River-Berea Rd., 2,500 ft.: Long & Bohen, Cleveland, $12,183. Geagua County, Sect. "A," Cleveland-Kent Rd., 0.94 mi.: J. A. Bock, Chardon, $8,731. Lorain County, Sect. "O," Obedlin-Norwalk Rd., 3.15 mi.: Elyria Construction Co., Elyria, $24,869; Highway Construction Co., Elyria, $25,318. Stark County, Sect. "A," Canton-Canal Dover Rd., 1.49 mi.: W. D. Kelly Co., Canton, $10,608; Seiple & Wolfe, Youngstown, $10,823; R. C. Rousch, Canton, $11,882.

Ohio, Columbus—State Highway Comn. received bids July 21 for constructing and repairing roads in various counties as follows: Ashland County, Sect. "A," Ashland-Medina Rd., 1.43 mi., E. F. Downs, Toledo, $23,037; H. J. Neipfoot, Elyria, $23,262. Carroll County, Sect. "A," Minerva-Sandyville Rd., 1.33 mi.: Ward, Miller & McCoy, Wheeling, W. Va., $23,197; Turnbull Bros., Canton, $23,212. Clermont County, Sect. "L," Milford-Hillsboro Rd., 1.04 mi.: J. K. Spencer, Orgonia, $8,667; William Meek, Batavia, $8,749. Columbiana County, Sect. "D," Lisbon-Canton Rd., 6.02 mi.: Seiple & Wolfe, Youngstown, $67,000; H. W. Curry & Co., Eaton, $67,500. Erie County, Sect. "A," Savannah-Vermillion Rd., 1.02 mi.: H. J. Neipfoot, Elyria, $16,381; Central Construction Co., Fremont, $16,990. Gallia County, Sect. "D," Gallipolis-Ironton Rd., 1.41 mi.: W. H. Martt, Gallipolis, $12,756. Gallia County, Sect. "G," Ohio River Rd., 0.78 mi.: W. H. Martt, Gallipolis, $6,089. Geauga County, Sect. "I," Burton-Bloomfield Rd., 3.12 mi.: Ward & Nims, East Orwell, $32,000; Kennedy Warner, Medina, $32,275. Hamilton County, Carthage-Hamilton Rd.: Runk & Runk, Cincinnati, $36,989; I. E. Smith, Richmond, Ind., $36,990. Hancock County, Sect. "D," Findlay-Bowling Green Rd., 4.15 mi.: Kennedy Warner Co., Medina, $42,710; Johnson Construction Co., Chicago, $44,709; Graham & Kinnear, Columbus, asphalt, $41,551, $34,927. Lake County, Sect. "A," Euclid-Chardon Rd,. 1.51 mi.: E. A. Freshwater & Son, Chester, W. Va., (A) $20,990, (B) $23,190, Farell Engineering Co., Cleveland, (A) $21,200, (B) $23,200. Medina County, Sect. "A," Akron-Medina Rd., 2.51 mi.: H. J. Neipfoot, Elyria, $28,117; George S. Miller, Medina, $28,200; Meigs County, Sect. "M," Middleport-Bradbury Rd.: Maumanx & Ross, Pomeroy, (A) $20,587, (B) $22,303; George Bowen, (A) $21,496, (B) $23,300, 1.02 mi.: Meigs County, Sect. "K," of the Pomeroy-Athens Rd., 0.69 mi.: George Bowen, Pomeroy, $13,400. Mercer County, Sect. "A," Celina-Wabash Rd., 0.64 mi.; Burnett & Christian, Rockford, $9,234; J. W. Karsch, Celina, $9,550. Perry County, Sect. "J," Lancaster-New Lexington Rd., 2.47 mi., Swank & McIntire, New Lexington, $38,261; Mings & Staten, Eaton, $38,627. Preble County, Sect. "A," Eaton-Greenville Rd., 1.13 mi.: H. W. Curry Co., Eaton, $9,950; Hamilton & Bunger, Eldorado, $9,995. Sandusky County, Sect. "K" of the Fremont-Bellevue Rd., 1.38 mi.: Modern Construction Co., Fremont, $37,700; Chris Stoltz, Bellevue, $38,848; Trumbull County, Sect. "A," Painsville-Warren Rd., 2.09 mi.: Oatley & Ensign, Cortland, $34,949; J. C. Devine, Alliance, $34,390. Trumbull County, Sect. "D," Warren-Meadville Rd., 6.84 mi.: Smith Construction Co., Youngstown, $65,101. Tuscarawas County, Sect. "K," West Lafayette-New Philadelphia Rd., 2 mi.: McIllfresh Danford & Glover, Caldwell, $36,805; Springer & Rogers, New Philadelphia, $36,897. Van Wert County, Sect. "A," Van Wert-Decatur Rd., 2.15 mi.: Floyd Putman, Van Wert, $15,769.

Ohio, Defiance—(Official)—County let contract paving Glenburg Rd. to SPANGLER & ERMAN, Evansport, $19,512.

Ohio, Eaton—Council let contract paving Barron St. to STORDBECK BROS., Middletown. Noted May 4.

Ohio, Jefferson—County let contract paving portion Walnut St. and Fellows Ave. to ANDREWS ASPHALT PAVING CO., Hamilton. Noted June 15.

Ohio, Kenton—City let contract paving Main and Shadely St. to BREWER, TOMLINSON & BREWER, Chillicothe, about $27,000.

Ohio, Lancaster—City let contract improving West Fair Ave. to HARPER & STEWART, $5,046

STREETS AND ROADS—Continued

Ohio, Middletown—City let contract paving Park Pl., Sutphen, Harrison, Monrie and McKinley Ave. to BIGLER BROS. W. C. Morrison, City Engr. Noted Mar. 30.

Ohio, Mt. Vernon—City let contract paving portions East and West Burgess, Division, McKenzie, Park, Ridgely, Sugar and Lamartine St. to A. A. GRAHAM, Mt. Vernon. Noted July 6.

Ohio, Painesville—County let contract for Painesville and Fairmount Rd. to THRUSHWATER & SONS, Chester, and WILLIAMS & LITTLE for section between Painesville and Perry.

Ohio, Portsmouth—City let contract improving portion Linden Ave. to S. MONROE & SON. Noted Feb. 17.

Ohio, Reading—City received low bid curbing, gutters and sidewalks from C. Staab, 3d St., $6,650.

Ohio, Smithville—(Official)—Village let contract paving Summit and Milton St. to SEIPLE & WOLF, Youngstown, $10,090. Noted June 29.

Ohio, Toledo—City let contract paving Broadway and Waite Ave. to A. G. TRAPPER, Peru, Ind., $58,079. Noted July 13.

Ohio, Urbana—(Official)—City let contract paving East Court St. to E. D. MURRAY, Urbana, $13,939.

Ohio, Worthington—City let contract improving Hartford St. to C. H. FRANK, East Deshler Ave., Columbus.

Ind., Columbus—Bartholomew County let contract road to F. H. KENT CONSTRUCTION CO., Shelbyville, $79,801. Noted June 29.

Ind., Evansville—(Official)—Vanderburgh County let contract rock road in Scott Township to J. FRIDY, R. R. 4, Evansville. Noted July 6.

Ind., Indianapolis—(Official)—Marion County let contract road in Center Township to C. M. KIRKPATRICK, Indianapolis, $27,000. Noted July 6.

Ind., Kokomo—County let contract Cullins Rd. to F. DAVENPORT, $5,216.

Ind., Michigan City—(Official)—City let contract paving Cook St. to HODSON-DAVID CONSTRUCTION CO., Michigan City.

Ind., Plainfield—Town received low bid 4,978 ft. road from G. T. Miller, Lebanon, $38,950 brick and $36,928 concrete.

Ind., South Bend—(Official)—St. Joseph County let contract road in Union Township to H. L. SHORT, La Crosse, $17,499. Noted June 29.

Ind., Sullivan—County let contract paving John Lund Rd. to J. S. ADAMS CONSTRUCTION CO., Sullivan, $24,600.

Ind., Terre Haute—(Official)—County let contract road work to M. C. FLOYD & SON, Farmersburg, about $5,000.

Ind., Wabash—City let contract paving to FEDERAL ASPHALT PAVING CO., Hamilton, Ohio, about $40,000.

Mich., Mt. Clemens—Macomb County let contract road work to MURPHY CONSTRUCTION CO., Port Huron, $25,000.

Mich., Reading—Hillsdale County let contract 4¾ mi. road Woodbridge Township to C. BISHOP, $21,550.

Ill., Berwyn—City let contract improving portion Wesley Ave. to R. F. CONWAY CO., Chicago, $18,962. Noted July 6.

Ill., Chicago—Cook County received low bids road in Bloom Township, Sect. 1, Route 29, from J. A. Sackley & Co., 133 West Washington St., $69,591, Pronger & Fletcher, Chicago, $74,070, C. Fiedstedt Co., Montrose Ave. and North Branch St., $74,713; Palos and Lamont Townships, Sect. 1, Route 20, Commonwealth Improvement Co., $50,645, J. A. McGarry & Co., 189 West Madison St., $49,817, Johnson Construction Co., 115 South Dearborn St., $52,410.

Ill., Eldorado—City let contract paving DUNLOP-DIPPLOD CONSTRUCTION CO., Edwardsville, about $40,000.

Ill., Monticello—(Official)—City let contract paving Buchanan St. to W. F. LODGE, Monticello, $17,000.

Ill., Morrison—City let contract paving Cherry St. to CENTRAL ENGINEERING CO., Davenport, $5,845.

Ill., Rock Island—City let contract paving East 17th St. to TRI-CITY CONSTRUCTION CO., $2.07 per sq.yd.

Ill., Springfield — (Official) — State Highway Dept. let contracts road work: Cass County, Sect. F, BEARDSTOWN CONCRETE CONSTRUCTION CO., Beardstown, $6,109; Cook County, Sect. L and M, PRONGER & FLETCHER, Blue Island, $57,400; Jefferson County, Sect. B, J. MANNEN, Mt. Vernon, $5,904; Jo Dabiess County, Sect. C and D, R. F. CONLON, Cuba City, Wis., $9,500; Kane County, Sect. H, ILLINOIS HYDRAULIC STONE AND CONSTRUCTION CO., Elgin, $30,723; Whiteside County, Sect. E, H. P. JOHNSON, Sterling, $12,650.

Ill., Urbana—City let contract repaving Race St. to STIPES & PILCHER, Champaign, $4,900.

Wis., De Pere—City let contract paving to WILLISTON CONSTRUCTION CO., Chicago, $1.41 per sq.yd. Noted July 6.

Wis., Richland Center—Richland County let contract 1 mi. concrete road to M. O. CARTER, Sextonville.

Wis., Superior—City let contract paving North 6th St. to RUSSELL CONSTRUCTION CO.

Wis., West Allis—(Official)—Bd. Pub. Wks. received bids paving portion 75th St. from Kroening Construction Co., $1.40 per sq.yd., and Deam Construction Co., $1.60. A. G. Orbet, City Engr. Noted July 6.

Iowa, Burlington—City let contract paving to G. PETERSON, Burlington, $1.18 per sq.yd.

Iowa, Emmetsburg—City let contract paving to ZITTERELL & SULLIVAN, Webster City, $150,800. Noted Mar. 2.

Iowa, McGregor—City let contract paving to J. LEE, Dubuque.

Iowa, Waterloo—City let contract wood block paving to BRYANT ASPHALT CO., $2.49 yd. R. L. Degon, Clk.

Kan., Hutchinson—City let contract paving 5th Ave., W., and North Main St. to STAMEY-MACKAY CONSTRUCTION CO., about $56,624. G. L. McLane, Engr. Noted June 8.

Kan., Hutchinson—Reno County let contract repair Medora Rd. to WHEELER & KELEHER. G. W. Lee, Hutchinson, County Clk.

Kan., Larned—(Official)—City let contract improving portion Kansas and Santa Fe St. to McCOY & TAYLOR. Noted July 13.

N. D., Grand Forks—City let contract paving portion Vernon and Belmont Ave. to GRAND FORKS CONCRETE CO., Grand Forks, about $40,000. Noted June 1.

Mont., Anaconda—City let contract sidewalks and sewers on Gold St. to P. OREN, $10,676; Excelsior St., $5,649.

Mo., Kansas City—City let contract paving Southern Blvd. and 18th St. to WILLISTON CONSTRUCTION CO., Chicago.

Mo., Kansas City—Bd. Pub. Wks. let contract paving and curbing portion 61st St. to E. F. WILCOX, Kansas City.

Mo., Liberty—City let contract paving portion Lightburne St. to EDGAR MAIN, $1.36 lin.ft. E. K. Carter, City Engr. Noted June 22.

Mo., St. Louis—City let contracts paving to BYERMANN CONSTRUCTION CO., 1216 South Grand Ave., $15,930, portion Duncan Ave.; SKRAINKA CONSTRUCTION CO., Security Bldg., $17,240, portion Arlington Ave. Noted July 6.

Mo., Sedalia—(Official)—City let contract sidewalks to A. McKISSICK, Sedalia.

Mo., Sedalia—(Official)—City let contract paving to J. T. MENEFEE, $1.13 per sq.yd.; sewers, 67c. per lin.ft. Noted July 13.

Tex., Center—City let contract street improvements to COOK, RICHARDSON & ARRINGTON, Crockett, $7,090.

Tex., Dallas—City let contract paving Center St., Oak Cliff, to WESTERN PAVING CO., Oklahoma, $25,000.

Tex., Houston—County let contract surfacing Lynchburg-Cedar Bayou Rd. to E. A. WAGNER, about $5,000. Noted June 8.

Tex., Paris—(Official)—City let contract paving South 15th St. to TEXAS BITULITHIC CO., Paris.

Tex., Sulphur Springs—Hopkins County let contract road work to COBB & GREGORY, Houston. Noted July 6.

Colo., Ouray—Ouray County let contract road work to R. H. BU PRAW and A. A. MOULE, Ouray, about $8,000.

N. M., Roswell—State plans to build 53 mi. road in Chaves County by convict labor. J. A. French, Santa Fe, State Engr.

Idaho, Moscow—City received low bid 8,100 yd. paving from STANDARD ASPHALT CO., Moscow, $11,826.

Utah, Logan—City let contract paving South Main St. to O. NELSON, Logan, $19,001.

Ariz., Phoenix—City let contract paving Portland St. and 5th Ave. to CALIFORNIA-ARIZONA CONSTRUCTION CO. Noted July 6.

Wash., Colville—County let contract Addy-Gifford Permanent Highway to R. B. DE CAMP, 1503 Maxwell St., Spokane, $8,468.

Wash., Colville—County let contract improving highway to NORTHWESTERN PAVING CO., East 529 Ermina Ave., Spokane, $9,880.

Wash., Ephrata—County let contract surfacing permanent Highway No. 6-A to MOHR CONSTRUCTION CO., Waterville, $11,975. Noted June 29.

Wash., Seattle—County let contract 2½ mi. highway between Richmond Beach and North Trunk Boule to N. W. BALL, Seattle, $10,688.

Wash., Seattle—County let contract paving Permanent Highway No. 2-B to CASCADE CONSTRUCTION CO., Pacific Blk., $21,169.

Ore., Coquille—City received low bid improving 24 blocks from Longston & Co., Coquille, $22,500.

Ore., North Bend—City received low bid paving waterfront highway from Washington St. to city limits from Anderson & Klockars, North Bend, $43,707.

Ore., Roseburg—County received only 1 bid Gardiner Rd., Hinsdale & Jewett, $14,154.

Ore., Roseburg—County let contract Camas Valley Rd. to E. E. WEEKLY, $6,285.

Calif., Anaheim—(Official)—City let contract paving Broadway LOS ANGELES PAVING CO., 2900 Santa Fe Ave., Los Angeles. Noted July 6.

Calif., Los Angeles—City let contract improving Alexandria Ave. to COAST CONSTRUCTION CO., $6,638.

Calif., Los Angeles—City let contract improving portion Brooklin Ave. to G. H. OSWALD. O. T. Johnson Bldg., $79,235.

Calif., Los Angeles—Los Angeles County let contract improving Sect. G, Mint-Canyon Rd., to P. A. and C. H. HOWARD, 2128 Sacramento St., $86,375. Noted July 20.

Calif., Los Angeles—City let contract improving 2.62 mi. highway on Vine Ave., Rd. Imprv. Dist. No. 55, to ROGERS BROS., $15,000. Noted July 20.

Calif., Manhattan—City let contract paving Marine St. to CALIFORNIA-ARIZONA CONSTRUCTION CO., 1700 East Washington St., Los Angeles, $30,950. Noted July 13.

Calif., Sacramento—(Official)—State Highway Comn. received low bids highways; Glen County, Div. 3, Route 7, Sect. B, W. B. Esterly, San Francisco, $8,645; Marin County, Div. 4, Route 1, Sect. B, Marin Rock Co., San Anselmo, $25,010.

Calif., Sawtelle—City received low bid paving Santa Monica Blvd. from Los Angeles Paving Co., Los Angeles, $60,810, culvert work, $4,200.

Calif., Ukiah—County let contract highway at Prather Gulch to W. L. PROCTOR, Santa Rose.

Calif., Ventura—County let contract section Ventura-Nordhoff Rd. to ISBELL CONSTRUCTION CO., Corona, $4,674.

Ont., Windsor—City let contract paving Howard Ave. to MERLO & RAY, Walkerville, $45,000.

INDUSTRIAL WORKS

Proposed Work

Maine, Biddeford—Business Men's Association making plans for 3-story factory. E. E. Greenwood, Skowhegan, Engr.

N. H., Portsmouth—City plans 4-story factory to be leased by Sears-Roebuck Co., Arthington St. and Homan Ave., Chicago. About $100,000.

Mass., Ipswich—F. L. Burke & Son making plans for storage building. Penn Varney, 25 Exchange St., Lynn, Arch.

Mass., Newburyport—N. D. Dodge Shoe Co., Prince Pl., making plans for factory. E. S. Dodge, 15 Exchange St., Boston, Arch.

R. I., Auburn—Universal Winding Co., 95 South St., Boston, Mass., making plans for addition. F. P. Sheldon & Sons, Industrial Trust Bldg., Providence, Engr.

R. I., Pawtucket—Crown Manufacturing Co. made plans for 4-story addition. C. R. Makepeace, Butler Exchange Bldg., Providence, Arch. Noted July 20.

Conn., Rockville—E. J. Martin Sons making plans for 3-story, 52x112-ft. factory. J. H. McGray, 18 North Park St., Arch.

N. Y., Buffalo—C. Klinck Packing Co. making plans for 2-story shop and market house. About $15,000. L. P. Klinck, 37 Depot St., Pres.

N. Y., Le Roy—Le Roy Salt Co. making plans for factory. G. Schautz, 346 Ellicott Sq., Buffalo, Engr.

N. Y., Lockport—Lockport Glass Co. made plans for 2-story addition, Michigan St. About $50,000. Noted June 29.

N. Y., New York—(Borough of Bronx)—Columbia Metal Box Co., 226 East 144th St., plans 4-story factory on Rider Ave. About $50,000.

N. Y., New York—(Borough of Brooklyn)—A. G. Spaulding Bros., Pacific St. and 6th Ave., made plans for 6-story addition to factory. About $10,000. Starrett & Van Vleck, 8 West 40th St., Manhattan, Arch.

N. Y., New York—(Borough of Manhattan)—Charles Adams made plans for garage, 157th St. west of Riverside Drive, about $48,000. J. Harden, Arch.

N. Y., New York—(Borough of Manhattan)—Alt Realty Co., 15 West 45th St., made plans for 2 factories, 23 West 45th St., $75,000, 13 West 45th St., $100,000. W. H. Gompert, 171 Madison Ave., Arch.

N. Y., New York—(Borough of Manhattan)—Steinway & Sons plan 12-story building at 109-13 West 57th St.

N. Y., New York—(Borough of Queens)—Knickerbocker Ice Co. plans plant. Mortenson & Co., 405 Lexington Ave., Arch.

N. Y., Niagara Falls—Niagara Electro Chemical Co. making plans for 3-story, 40x175-ft. factory. H. R. Carveth, Gen. Mgr. Noted Mar. 23.

N. Y., Solvay—Pass & Seymour, Inc., making plans for 1-story factory. Russell & King, 602 Snow Bldg., Syracuse, Arch.

N. Y., Sonyea—Craig Colony for Epileptics making plans for 2-story cold-storage plant. About $35,000. L. F. Pilcher, Capital, Albany, Arch.

N. J., Bayonne—Bush Terminal Co., 100 Broad St., New York, making plans for plant at Bayonne. About $20,000,000. B. F. Cresson, City Park Bldg., Bayonne, Engr. Noted May 25.

INDUSTRIAL WORKS—Continued

N. J., Bloomfield—General Electrical Co. plans 5-story, 75x800-ft. factory. About $750,000.

N. J., Hackettstown—State making plans for ice house and garage. G. S. Drew, State House, Trenton, Arch.

N. J., Jersey City—Lubricating Metal Co. making plans for 1-story, 50x100-ft. factory. About $15,000. Shape & Bready, 220 West 42d St., New York, Arch.

Penn., Coopersburg—Coppersburg Casket Co. plans addition to factory. About $10,000. W. L. Weirback, Windedock St., South Bethlehem, Pres.

Penn., Philadelphia—E. G. Budd, Manufacturing Co. making plans for addition to factory. Ballinger & Perrot, 17th and Arch St., Arch.

Penn., Philadelphia—T. Keyser, 240 South 11th St., making plans for 3-story, 25x100-ft. addition to factory. About $15,000.

Penn., Philadelphia—Powelton Storage House making plans for addition. About $20,000. A. B. Gill, 450 North Wilton St., Arch.

Penn., Pittsburgh—Atlantic Refining Co., 906 Glenwood Ave., soon lets contract for warehouse on Butler Ave., about $125,000.

Penn., Pittsburgh—S. Solof, Sidney St., making plans for warehouse. About $12,000. W. A. Thomas, 322 Park Bldg., Arch.

Va., Norfolk—J. A. Parker making plans for 2-story, 64x166-ft. addition. About $15,000.

W. Va., Parkersburg—Arrow Lumber Co. plans to rebuild plant recently destroyed by fire.

Fla., Ft. Myers—Lee County Truckers' and Farmers' Association plans packing plant. Franklin Miles, Pres.

Ala., Birmingham—Southern Sewer Pipe Co. to rebuild plant, 28th Ave. and 22d St., recently destroyed by fire. W. S. Dickey, Pres.

Tenn., Cumberland Gap—Cumberland Mountain Minerals Co. plans cement plant.

Ohio, Alliance—Alliance Sanitary Milk Co. made plans for dairy plant, about $25,000. R. S. Harsh, Alliance Bank Bldg., Alliance, Arch. Noted Mar. 23.

Ohio, Bucyrus—Ohio Crane Co., recently incorporated plans plant. C. Gallinger, interested.

Ohio, Cleveland—Cleveland Electro Metals Co., 1400 West 25th St., plans factory, Canal Rd., about $10,000.

Ohio, Cleveland—Commercial Bookbinding Co., Vulcan Bldg., plans plant on West 110th St.

Ohio, Cleveland—Dann Oil Cushion Spring Insert Co., 2246 Indiana Ave., Chicago, plans plant in Cleveland. V. W. Sincere, Secy.

Ohio, Cleveland—Elyria Iron and Steel Co. made plans for 1-story, 158x500-ft. factory. About $100,000. H. B. Wick, 232 East 131st St., Pres. Noted July 20.

Ohio, Cleveland—William Plotz Iron Works Co., 401 Champlain Ave., plans plant on West 6th St., about $25,000.

Ohio, Columbus—Columbus Cadillac Co. making plans for 2-story sales building. O. C. Darst, Arch.

Ohio, Columbus—Columbus Oil Cloth Co., 1280 Grant Ave., granted permit for addition, about $10,000.

Ohio, Dayton—Smith Engine Co., Louisville, Ky., plans factory. About $120,000. Schenck & Williams, 591 Arcade Bldg., Cleveland, Arch.

Ohio, Finlay—Adams Truck, Foundry and Machine Co. plans additions, West Main and Cross St.

Ohio, Geneva—Harvey System Silo Works plans factory. G. C. Harvey, Pres.

Ohio, Hamilton—Schantz Manufacturing Co. plans to rebuild plant recently destroyed by fire.

Ohio, Lima—Hester Tire and Rubber Co. plans factory on Jefferson St.

Ohio, Lorain—Hoffman Heater Co. to enlarge factory, Washington St. A. H. Babcock, Pres.

Ohio, St. Bernard—Union Distilling Co., Reading Rd., making plans for 2 additions. Ward Baldwin, 809 Commercial Bldg., Cincinnati, Arch.

Ohio, Youngstown—City plans storehouse, about $50,000. F. M. Lillie, City Engr.

Ind., Anderson—Remy Electric Co. receives bids in August for addition, about $30,000. F. L. Atwood, Mgr. Noted Mar. 16.

Ind., Franklin—National Manufacturing Co., recently incorporated, plans factory.

Ind., Indianapolis—Gibson Co., 416 North Capital Ave., made plans for 5-story service station and sales building, Capital Ave. and Michigan St. About $400,000. Noted July 13.

Ind., South Bend—International Rubber Co., Farmers Trust Bldg., making plans for factory. W. W. Snyder, Union Trust Bldg., Arch. G. W. Odell, Secy. Noted July 20.

Mich., Detroit—Michigan Iron and Wire Works plan factory. C. A. Weigel, Sheridan and St. Paul Ave., Mgr.

Mich., Flint—Dort Motor Car Co. granted permit for factory, about $70,000. Noted June 29.

Mich., Manistique—Manistique Handle Co. plans to rebuild plant recently destroyed by fire. About $25,000.

Ill., Chicago—Acme Packing Co. plans plant, Western Ave. Blvd. and 45th St., about $250,000.

Ill., Chicago—Hughes Electric Heating Co., 211 West Schiller St., plans factory at Waller Ave. and Taylor St., about $150,000.

Ill., Chicago—Pyott Co. making plans for 2-story factory. About $75,000. H. H. Mahler, 1610 West Madison St., Arch.

Ill., East St. Louis—Bell Oil Co. plans refinery. F. C. Bretsnyder, 115 Ferry St., St. Louis, Mo., in charge.

Wis., Cedarburg—O. J. Groth making plans for 2-story, 32x50-ft. creamery. About $10,000. C. Hilgen, Cedarburg, Arch.

Wis., Menasha—John Strange Paper Co. making plans for factory. Noted July 20.

Wis., Port Edwards—Nekoosa-Edwards Paper Co. making plans for 2-story, 156x160-ft. warehouse. L. A. De Guere, Wood Bldg., Grand Rapids, Engr.

Minn., Mankato—Mayer Bros. Manufacturing Co. making plans for 1-story, 100x400-ft. factory.

Kan., Wichita—Wichita Flour Mills Co. plans addition. About $250,000. John Moore, Vice-Pres.

Mo., Columbia—Hamilton, Brown Shoe Co. plans factory. About $40,000. P. L. Hogan, Supt.

Mo., St. Louis—Hemmelmann-Spackler Real Estate Co. plans manufacturing buildings, Forest Park Blvd. and Market St. About $1,000,000. E. A. Hermann, Mgr.

Mo., St. Louis—Silverstein's Garment Cleaners plan factory. About $15,000. S. Silverstein, 633 North Sarah St., interested.

Ark., Rogers—Rogers Ice and Cold Storage Co. will construct a 2-story, 65x105-ft. cold-storage building. Estimated cost, $20,000.

Tex., Sweet Water—People's Cotton Oil Co. plans cotton-seed oil mill, about $50,000. F. J. Phillips, interested.

Tex., Waco—American Express Co. plans warehouse.

Utah, West Jordan—(Midvale post office)—J. W. McHenry, Murray, plans factory, about $300,000.

Wash., Spokane—Balfour-Greely Grain Co. plans storage building, about $15,000.

Calif., El Segundo—Potassium Manufacturing Corporation plans potash reduction plant. First unit about $40,000.

Calif., Guasti—Italian Vineyard Co. plans to rebuild plant recently destroyed by fire. About $300,000. S. Guasti, 3500 West Adams St., Los Angeles, Secy.

Calif., Los Angeles—Diamond Laundry Co., 241 East 5th St., made plans for laundry, 8th St. and Towne Ave., about $100,000. Train & Williams, Exchange Bldg., Arch.

Calif., Los Angeles—Los Angeles Union Terminal Co. soon lets contracts for 2 market buildings and 2 warehouses, Central Ave. and 7th St. B. Johnson, Pres. John Parkinson, Security Bldg., Arch. Noted Apr. 13.

Calif., Sacramento—Willys-Overland Co. made plans for 3-story plant, about $100,000.

Calif., Turlock—National Ice Co., 805 South Center St., plans plant, about $100,000.

Ont., Arnprior—David Craig plans grist mill, about $18,000.

Ont., Colbyville—Corby Distilling Co. plans addition, about $15,000.

Sask., Saskatoon—Western Dristributors, Ltd., plans warehouse.

B. C., Vancouver—Alberta Lumber Co. plans 2-story mill, 6th and Willow St., about $100,000.

Bids In and Contracts Awarded

Maine, Sanford—L. F. Trafton will build factory by day labor. About $10,000.

Mass., Leominster—Viscoloid Co. let contract two 1-story factories to WILEY & FOSS, Central St., Fitchburg.

Mass., Ware—Ideal Coated Paper Co., Brookfield, let contract 1-story, 100x300-ft. factory to H. P. CUMMINGS CONSTRUCTION CO., 14 Prospect St. Noted Mar. 23.

R. I., East Providence—Columbia Narrow Fabric Co. let contract factory to B. F. SMITH CONSTRUCTION CO., Pawtucket.

R. I., Providence—American Emery Wheel Works, 325 Waterman St., let contract 3-story, 50x90-ft. factory to O. D. PURINGTON & CO., 624 Industrial Trust Bldg. About $20,000.

Conn., East Hartford—Case & Marshall, Inc., let contract paper mill to J. H. GROZIER CO., 721 Main St., Hartford.

Conn., Hartford—Whitney Manufacturing Co., 237 Hamilton St., let contract 4-story, 58x112-ft. addition factory to J. H. GROZIER CO., 721 Main St. About $20,000.

Conn., Southington—Clark Bros. Bolt Co. let contract 1-story, 40x300-ft. addition to L. A. MILLER, 21 Church St., Meriden. About $25,000.

Conn., Wallingford—H. L. Judd Co. let contract addition factory to C. F. WOODING CO.

Conn., Waterbury—Waterbury Overland Co. let contract 2-story, 100x193-ft. garage and service station to VALCOURT & LaCROIX, 95 Bank St.

Conn., West Hartford—Abbott Ball Co. let contract addition factory to H. B. HIBBARD & CO., 140 Main St., New Britain.

N. Y., Frankfort—Pratt Chuck Co. let contract addition factory to G. HOPP, 1022 Seymour Ave., Utica. About $20,000.

N. Y., Glenwood—(Yonkers post office)—Habirshaw Electric Cable Co., 10 East 43d St., New York, let contract addition, Glenwood, to FLYNN BUILDING AND CONSTRUCTION CO., 30 Church St., New York. About $100,000. Noted Feb. 10.

N. Y., Groton—Corona Typewriter Co. let contract 4-story, 50x162-ft. factory to McCLINTIC-MARSHALL CO., Oliver Bldg., Pittsburgh, Penn.

N. Y., Hornell—Merrill Silk Co. let contract 1-story factory to S. L. TUCKER, 21 Adsit Pl. About $25,000.

N. Y., Newburgh—Du Pont Fabrikoid Co. will build addition to plant by day labor. About $50,000. Noted Mar. 23.

N. Y., New York—(Borough of Brooklyn)—Waterbury Co., 32 Taffe Pl., let contract 2-story, 50x150-ft. warehouse to TULLIS & BLANCHARD, 326 East 42d St., Manhattan. About $15,000. Noted July 6.

N. Y., New York—(Borough of Manhattan)—Compton Building Corporation let contract 2-story, 75x200-ft. garage to INDUSTRIAL ENGINEERING CO., 30 Church St. About $75,000.

N. Y., New York—(Borough of Manhattan)—Glass Realty Co. let contract warehouse and garage to LOUIS WEBER BUILDING CO., 171 Madison Ave. About $15,000.

N. Y., New York—(Borough of Manhattan)—G. R. Secor, 60 Broadway, let contract 9-story warehouse to E. J. EPSTEIN, 55 Liberty St.

N. Y., New York—(Borough of Queens)—Loft Candy Co., Broome and Center St., let contract 5-story factory at 317 Hamilton St., Long Island City to J. H. CARL, INC., 510 1st Ave., Manhattan. Noted June 15.

N. Y., Niagara Falls—Niagara Alkali Co., Buffalo Ave. and Union St., let contract 2-story addition to BRAAS BROS., 1110 Whitney St., about $750,000. Noted July 6.

N. Y., Williamson—K. M. Davis Co., Inc., will build 2-story, 128x255-ft. cold-storage plant by day labor. About $18,000.

N. J., New Brunswick—Ringwalt Linoleum Co. let contract addition to FRED KILGUS, Newark.

N. J., Rutherford—Fuchs & Lang let contract 1-story, 184x197-ft. addition to CLAUS AHRENS, 83 Uhlandt St. About $30,000. Noted July 20.

Penn., Aliquippa—Mutual Brewing Co. let contract 2-story, 50x100-ft. warehouse to R. A. GROAH CO., 847 West North Ave., Pittsburgh. About $16,000.

Penn., Lancaster—S. H. Bally, 514 South Shippen St., lowest bidder for factory for Watson Manufacturing Co. About $50,000.

Penn., Pittsburgh—Schenley Farms Co. let contract 9-story, 110x150-ft. warehouse to G. HOGG CO., Keystone Bldg. About $400,000. Noted Mar. 23.

Penn., Scranton—Otto R. Conrad let contract garage and Mulberry Ave. to P. STRIPP, 527 North Washington Ave., Scranton. About $40,000.

Penn., West View—(Pittsburgh post office)—Pittsburgh Railways Co. let contract car barns to D. T. RIFFIE, Kennan Bldg., Pittsburgh. About $55,000. F. Uhlenhart, Jr., 435 6th Ave., Pittsburgh, Ch. Engr.

Md., Baltimore—Gomprecht & Benesch let contract 4-story warehouse, Mulberry and Jasper St., to CONSOLIDATED ENGINEERING CO., 247 Calvert Bldg., Baltimore. About $50,000. Noted June 29.

Md., Baltimore—E. H. Koester, 644 West Lexington St., let contract 3-story bakery to C. L. STOCKHAUSEN CO., INC., Gay and Water St. Noted July 20.

N. C., Durham—Liggett-Myers Tobacco Co. let contract addition to J. T. SALMON, Durham, about $100,000. Noted July 13.

N. C., Durham—Pilot Hosiery Mill Co. let contract factory to W. H. WOODS. J. H. Stone, Gen. Mgr.

Ala., Birmingham—(Official)—Birmingham Ice and Cold Storage Co. let contract 3-story addition, Ave. E and 22d St. to E. F. HETTRICK ENGINEERING CO., 1502-4 Empire Bldg., about $50,000.

Ohio, Cincinnati—Graydon Estate let contract 6-story garage and salesroom to FERRO CONCRETE CO., Richmond and Harriet St. About $90,000. Noted Dec. 9.

Ohio, Cleveland — (East Cleveland) — Builders Supply and Fuel Co., 8110 Kinsman Rd., let contract warehouse to G. E. RUDOLPH, 5217 Woodland Ave. About $15,000.

Ohio, Massillon—Ohio Board of Administration will rebuild laundry by day labor. About $20,000.

Ohio, Shelby—Ohio Seamless Tube Co. let contract factory to S. AUSTIN, 14230 Euclid Ave., Cleveland. About $150,000. Noted June 8.

Ind., Lafayette—Ross Machine Co., North 8th St., let contract factory to W. LINNVILLE, Lafayette. Noted June 1.

Mich., Bay City—Bay City Dredge Co let contract addition, Center Ave. Rd., to BAY CITY CONSTRUCTION CO., Bay City.

Mich., Belding—Richardson Silk Co. let contract 4-story addition to A. W. MORGAN, Grand Rapids. About $20,000. Noted July 13.

Mich., Charlotte—Borden Condensed Milk Co. let contract dry milk plant to H. VANDER HORST, Kalamazoo. About $40,000. Noted July 13.

INDUSTRIAL WORKS—Continued

Mich., Detroit—Barrett Manufacturing Co., 17 Battery Pl., New York, let contract condenser building and distillation plant to PIPER & DEMSKE, 208 Sun Bldg., Detroit. About $100,000. Noted July 13.

Mich., Detroit—England Manufacturing Co. let contract 1- and 2-story, 125x300-ft. factory to L. D. PETERSON, Moffat Blk.

Mich., Grand Rapids—Globe Knitting Co. let contract factory to HAUSEN, OWEN-AMES CO., Michigan Trust Bldg., Grand Rapids, about $125,000. Noted May 4.

Mich., Kalamazoo—Gibson Mandolin and Guitar Co. let contract plant Parsons St. to GERARD VAN ECK, about $35,000.

Mich., Petoskey—Petoskey Block and Manufacturing Co. let contract dry kilns to NATIONAL FIREPROOFING CO., Grand Rapids.

Mich., Saginaw—Werner & Pfleiderer Co. let contract 2-story, 50x98-ft. addition to factory to J. S. KERNS & SON, 207 South 3rd St. About $15,000.

Ill., Chicago—American Brake Shoe and Foundry Co. let contract 1-story, 121x185-ft. addition foundry to SCHMIDT BROS. CONSTRUCTION CO., 105 North Clark St. About $45,000.

Ill., Chicago—J. Birk, 457 Wellington Ave., let contract 7-story warehouse and office building to H. ERICSSON, 139 North Clark St. About $110,000. Noted June 8.

Ill., Chicago—Crown Stove Works, 46th Ave. and 13th St., let contract 2-story, 50x100-ft. warehouse to J. KAVANAUGH, JR., 209 North Lexington St., Cicero. Noted July 20 under Cicero.

Wis., Sheboygan—Jung Shoe Co., 302 North 8th St., let contract 3-story, 50x135-ft. factory to W. C. WEEKS, 720 Ontario St. Noted Apr. 20.

Iowa, Clinton—City Garage Co., let contract 1-story garage to HARING BROS., Wilson Bldg. About $30,000. Noted July 20.

Iowa, Davenport—Martin-Woods Co., 115 Perry St., let contract 5-story, 72x100-ft. warehouse to H. G. HAYS CONSTRUCTION CO., 119 Dover Ct. About $55,000. Noted July 6.

Minn., Minneapolis—American Brake Shoe and Foundry Co., 37th Ave., N. E., and University Ave., let contract addition foundry to P. C. GIGUERE, 410 Northeast 7th St. About $15,000.

Minn., Minneapolis—International Harvester Co. of America let contract 9-story, 126x162-ft. factory to J. & W. A. ELLIOTT CO., 96 Lumber Exchange Bldg., Minneapolis. About $200,000. Noted Feb. 3.

Minn., Minneapolis—Clarkson Lindley, Lindley Bldg., let contract 2-story, 42x150-ft. warehouse to M. SCHUMACHER, 39 Dell Pl. About $25,000.

Neb., Omaha—Armour & Co. let contract for ice and cold-storage plant and machine shop at 28th and Q St. to F. P. GOULD & SON, City National Bank Bldg., $235,000. Noted June 23.

N. D., Grand Forks—Pewell Elevator Co. let contract Elevator and Coal shed to HICOCK CONSTRUCTION CO., Flour Exchange, Minneapolis.

N. D., Sykeston—Farmers' Warehouse Association let contract warehouse and elevator to C. H. BENSON, 406 Corn Exchange Bldg., Minneapolis.

Ark., Stuttgart—Stuttgart Rice Mill Co. let contract elevator to R. R. BOYD, about $20,000. Noted June 1.

Tex., Houston—(Press)—Petroleum Refining Co. let contract oil refinery near Houston to PETROLEUM IRON WORKS CO., Sharon, Penn., about $1,000,000.

Ont., Leamington—Heintz Pickle Co. to build addition by day labor. About $25,000. Noted July 13.

FEDERAL GOVERNMENT WORK

Proposed Work

Maine, Ft. Williams—Buildings—Constructing Quartermaster, Ft. Williams, receiving bids Aug. 17. Noted July 20.

Maine, Rumford—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Aug. 11. Noted July 20.

N. Y., Buffalo—Buildings—U. S. Engineer Office, Buffalo, receiving bids Aug. 21, Black Rock Harbor. Noted Dec. 30.

Penn., Philadelphia—Arsenal—U. S. Government plans. About $125,000. Address Col. G. Montgomery, Frankford Arsenal.

Penn., Philadelphia—Fuse Shop—U. S. Government plans. About $123,300. Address Col. G. Montgomery, Frankford Arsenal.

Penn., Philadelphia—Lead Shop—U. S. Government plans. About $12,000. Address Col. G. Montgomery, Frankford Arsenal.

Penn., Philadelphia—Magazine Buildings—U. S. Government made plans for five 1-story. About $90,000. Address Col. G. Montgomery, Frankford Arsenal, Philadelphia.

Penn., Philadelphia—Post Office and Custom House—U. S. Government plans. About $30,000. J. A. Wetmore, Treasury Dept., Washington, D. C., Arch.

Penn., Philadelphia—Sewer—U. S. Government plans. About $9,000. Address Col. G. Montgomery, Frankford Arsenal.

D. C., Washington—Courthouse—U. S. Government plans 2-story. About $200,000.

D. C., Washington—Factory—U. S. Government plans. About $500,000. H. D. Baker, Secy. of War, State, War and Navy Bldg., 17th and Pennsylvania Ave., N. W.

D. C., Washington—Factory—U. S. Government plans. About $19,000. H. B. Sweeney, Asst. Secy., Interior Dept.

D. C., Washington—Field House—U. S. Government plans. About $50,000. Address Col. H. Hart, Eng. Corp., 1729 New York Ave., N. W.

D. C., Washington—Hospital—U. S. Government plans. About $25,000. H. B. Sweeney, Asst. Secy. Interior Dept.

D. C., Washington—Store House and Shop Building—U. S. Government plans. About $24,755. H. B. Sweeney, Asst. Secy., Interior Dept.

Va., Ft. Monroe—Buildings—Quartermaster, Ft. Monroe, receiving bids July 31 repairing post hospital building 182 and isolation hospital 162.

Va., Warrenton—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Sept. 19.

Ga., Macon—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Aug. 3, about $75,000. Noted July 6.

Fla., Key West—Fire Protection System—F. R. Harris, Ch. Bureau of Yards and Docks, Navy Dept., Washington, receiving bids Aug. 12.

Ohio, Ashland—Building—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Aug. 25, about $140,000. Noted May 11.

Minn., Minneapolis—Post Office—U. S. Government appropriated $100,000 for remodeling.

Ark., Batesville—Repairing Driveway—S. Demer, Custodian, receiving bids Aug. 10 for repairing.

Ark., El Dorado—Building—U. S. Government appropriated $50,000.

Ore., Portland—Seawall and Wharf—Lighthouse Inspector, Portland, receiving bids Aug. 7, Mukilteo Light Sta., Wash.

Panama—Miscellaneous Supplies—Maj. E. I. Brown, Gen. Pur. Officer, Panama Canal, Washington, receiving bids Aug. 7.

Panama—Miscellaneous Supplies—Maj. E. I. Brown, Gen. Pur. Officer, Panama Canal, Washington, receiving bids July 31.

Bids In and Contracts Awarded

N. Y., New York—Water and Sewer System—Government let contract to R. C. EMMONS, 9406 3d Ave., $4,540. Noted June 15.

D. C., Washington—Paving Pitch—Comrs. let contract to BARRETT MANUFACTURING CO., Philadelphia, $14 per ton.

Utah, Payson—Reclamation—U. S. Reclamation Serv. let contract Div. 10 laterals, High Line Canal, Strawberry Valley Project, to REYNOLDSELY CONSTRUCTION CO., Springville, $130,516. Noted June 29.

Ore., Hermiston—Canal Work—U. S. Reclamation Serv. let contract, Umatilla Project, to NEWPORT LAND AND CONSTRUCTION CO., Hermiston, $32,254. Noted July 6.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. J., Trenton—Dredging—Commerce and Navigation Comn., State House, receiving bids Aug. 1, section of Inland Waterway, Barnegat Bay. B. F. Cresson, Jr., Ch. Engr.

Miss., Clarksdale—Ditch—Comrs. Harris Bayou Drainage Dist. receiving bids Aug. 9. A. L. Dabney, 81 Porter Bldg., Memphis, Tenn., Engr.

Miss., Marks—Drainage—County made surveys for Newsum Lake Drainage Dist. Southern Engineering Co., Clarksdale, Engr.

Ill., Aledo—Drainage—Bay Island Levee and Drainage Dist. plans to spend $50,000 to repair recent storm damage. Address County Clerk, Aledo.

Ill., Paxton—Ditch—Comrs. Lyman Township Drainage Dist. No. 1 receiving bids Aug. 5, 58,312 cu.yd.

Iowa, Muscatine—Levee—Drury Drainage Dist. making plans rebuilding protecting levee, about $65,000. Noted July 8.

Minn., Benson—Ditches—County plans to let contract in September. F. B. Gardner, Benson, Engr. Noted Apr. 27.

Minn., Minneapolis—Dredging—Park Bd. making plans, Lake Calhoun. J. A. Ridgeway, Secy.

Minn., Morris—Ditch—County receiving bids Aug. 2, No. 18, about $65,676. C. R. Wollthan, Morris, Audr.

Minn., Pipestone—Ditch—County plans Judicial Ditch No. 1. About $175,000. J. R. Johnson, Slayton, Engr.

Kan., Wichita—Drainage—County plans, Kesler Lake. Address County Clk., Wichita.

S. D., Howard—Ditch—Miner County made plans for Ditches Nos. 3 and 4. C. A. Trimmer, Madison, Engr. Noted Apr. 27.

S. D., Madison—Ditches—Lake County making plans for Ditches Nos. 1 and 2. M. D. McGillvray, Madison, Audr. Lake County.

Mo., Cape Girardeau—Drainage—Bd. Supervs. Little River Drainage Dist., receiving bids Aug. 11, 16,000 sq.yd. riprap, facing in 3,000 ft. canal slopes. Address Ch. Engr., 409 Himmelberger-Harrison Bldg.

Idaho, Caldwell—Irrigation—Pioneer Irrigation Dist. plans improving Phyllis Canal, about $60,000.

Utah, Fillmore—Drainage—Delta Land and Water Co. plans system, irrigation project in Millard County. About $150,000.

Calif., Fair Oaks—Irrigation—(Official)—Carmichael Irrigation Dist. receives bids about Sept. 1, 3,100 acres. G. E. Fetters, Treas. A. Givan, Sacramento, Engr. Noted Feb. 3.

Calif., Hanford—Reclamation—Bd. County Supervs. approved plans Lovelace Reclamation Dist. About $80,000. H. Clawson, Lemoore, interested.

Calif., Santa Monica—Drainage—County plans, to carry away storm waters near Santa Monica and Sawtelle. Address County Clk., Santa Monica.

Ont., Sarnia—Drainage—Bd. Pub. Wks. plans to tile drains, about $12,000.

Bids In and Contracts Awarded

La., Burtville—Drainage—Bayou Paul Drainage Dist. let contract 70,000 cu.yd. earth removal to PICARD, BUCKMASTER & WEIL, Hennen Bldg., New Orleans, 15.23c. cu.yd. Noted July 6.

MISCELLANEOUS

Proposed Work

Mass., Falmouth—Riprap wall—Harbor and Land Comrs. plans along shore from Easy Chop Light to Highland Wharf in Oak Bluffs.

Mass., Somerville—Bathhouse—City making plans. About $5,500. G. Dudley, Supt. Pub. Bldgs.

R. I., Woonsocket—Mausoleum—A. J. Rothier, 172 Pond St., plans 1-story. About $10,000. W. F. Fountaine, 185 Main St., Arch.

N. Y., New York—(Borough of Bronx)—Stadium—Fordham University plans. About $400,000.

N. J., Jersey City—Market—Sulzberger & Sons Co. soon receives bids for market. About $30,000.

N. J., Jersey City—Piers—City plans. C. A. Van Keuren, City Engr.

N. J., Trenton—Tunnel—Pennsylvania R.R. plans at Sullivan Way and West State St., about $119,000. A. C. Shand, Philadelphia, Ch. Engr.

N. J., Westfield—Park Improvements—Town making plans. About $35,000. J. Wallace Higgins, Arch.

Penn., Philadelphia—Fire Station—City made plans, 4212 Ridge Ave. About $15,000. W. H. Wilson, Dir. Dept. Pub. Safety.

Penn., Scranton—Zoo—City prepared plans, Nay Aug Park, about $10,000. J. J. Howley, Scranton, Arch.

Del., Wilmington—Swimming Pool and Pumping Station—F. D. Lackey, 9th and Market St., plans. E. C. May, Dupont Bldg., Wilmington, Arch.

Miss., Gulfport—Seawall—City made plans. About $187,038. H. D. Shaw, Engr.

La., Alexandria—Park—City voted $30,000 bonds. I. W. Sylvester, City Engr.

La., New Orleans—Traveling Cranes—Sewerage and Water Bd. receiving bids Sept. 13, two 15-tons each. F. S. Shields, Secy.

Ohio, Cleveland—Market House—H. T. Jeffrey, Arch., 408 Union Bldg., making plans, East 105th St and Euclid Ave., about $125,000. G. D. Brookins, East 18th St. and Euclid Ave., interested.

Ind., Columbia City—Dam—Tri-Lake Protective and Development Association plans at outlet of Round Lake.

Ind., Culver—Natatorium and Swimming Pool—Culver Military Academy making plans. About $45,000. A. Knell, 816 Olive St., St. Louis, Mo., Arch.

Wis., Winebago—Sprinkler System—State Bd. Control, Madison, receiving bids Aug. 16, North Hospital for Insane.

Kan., Lawrence—Retaining Wall—Atchison, Topeka & Santa Fe Ry. plans along river front. C. F. W. Felt, Railway Exchange, Chicago, Ch. Engr.

Mo., Mexico—Natatorium—Hardin College making plans. About $10,000. B. Elliott, Arch. Noted Apr. 6.

Okla., Tulsa—Racetrack—Improvements to cost $20,000 planned. J. E. Crosbie, interested.

Calif., Los Angeles—Tunnel—City plans, single-bore, 60 ft. wide through Bunker Hill at 2d St., ¾ mi. long. R. W. Stewart, Asst. City Engr.

Calif., Ocean Beach—Pier and Jetties—City made plans. About $38,000 and $87,000. G. Cromwell, City Engr. Noted June 1.

Calif., San Diego—Jetties—City election soon to vote on $87,000 bonds. G. Cromwell, City Engr.

N. S., Sydney—Drydocks—Sydney Foundry and Machine Co. plans.

Bids In and Contracts Awarded

Maine, Gorham—Cemetery Wall—Gorham Cemetery Association let contract to J. A. O'ROURKE CO., 62 Monument St., Portland.

MISCELLANEOUS—Continued

Mass., Salem—Bathhouse—City let contract to J. GOURDEAU, 271 Derby St.

N. Y., Mt. Kisco—Bathing Pavilion and Boat House—A. H. Scribner let contract to H. HUPFAUF, 7 East 42nd St., New York.

N. Y., New York—(Borough of Manhattan)—(Official)—Frogs and Switches—Pub. Ser. Comn. let contract Special Order No. 8, to PENNSYLVANIA STEEL CO., 71 Broadway, $65,316. Noted July 20.

N. Y., New York—(Borough of Manhattan)—Pier Shed—City let contract pier shed, foot of Dover St., to G. E. TILT & CO., 90 West St. About $75,000.

N. J., New Brunswick—Cell Work—Bd. Freeholders let contract, county jail, to VAN DORN IRON WORKS, 189 Broadway, New York, $37,225.

Penn., Erie—Fair Grounds—Chamber of Commerce let contract to KINTERWEST, Lake Rd. About $80,000.

Penn., Pittsburg—Coal Bunker—Atlantic Refining Co., 6th Ave. and Cherry St., let contracts to PHILLIPS LANG & CO., 2415 Fisher Bldg., Chicago. About $20,000.

Miss., Clarksdale—Levee System—Yazoo—Mississippi Levee Bd. let contract 2 mi. to W. N. ROACH & CO., Memphis, about $37,000. Noted Mar. 16.

La., Shreveport—Levee—Caddo Levee Bd. let contract Rattling Slough, Red River, to M. TANSEY, Memphis, Tenn., 22.65c. cu.yd.

Ohio, Youngstown—Retaining Wall—City let contract to VICTOR OLSON CONSTRUCTION CO. About $5,567.

Wash., Seattle—Locomotive Crane—Port Comn. received low bid, Smith Cove Terminals, from Hofius Steel and Equipment Co., Hoge Bldg., $11,007.

Wash., Seattle—Wharf—Port Comrs. received low bids, Spokane St., as follows: Substructure, W. T. Butler, Seattle, $11,247; creosoting 68,570 lin.ft. piling, J. M. Coleman and Pacific Creosoting Co., White Bldg., 34c. lin.ft.; Puget Sound Bridge and Dredging Co., Central Bldg., rock riprap, $1.80 cu.ft., excavation, 19c. cu.yd. Noted June 1.

Ont., Dundas—Dam—City let contract to McALLISTER & TAYLOR, Hamilton, $6.300.

BUILDINGS

Proposed Work

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Maine, Ft. Fairfield—Hotel—Ft. Fairfield Hotel Co. making plans, 3-story, 82x138-ft. About $50,000. H. S. Coombs, 11 Lisbon Rd., Lewistown, Arch.

Mass., Amesbury—High School—City making plans, about $125,000. Prescott & Sodebottom, 12 Pearl St., Boston, Arch. Noted May 11.

Mass., Brookline — Exchange Building — New England Telephone and Telegraph Co., 50 Church St., Boston, making plans.

R. I., Providence—Exchange and Office Building—Providence Telephone Co. and New England Telephone and Telegraph Co., Oliver St., Boston, plan. Clark & Howe, 1304 Turks Head Bldg., Arch.

N. Y., Roscoe—School—Bd. Education making plans, about $60,000. R. P. Berner, Roscoe, Arch.

N. Y., Buffalo—G. Sickles, 694 Erie County Bank Bldg., plans 6-story professional building, about $400,000. Mann & Cook, 91 Dunn Bldg., Arch.

N. Y., New York—(Borough of Manhattan)—Nurses Home—Manhattan Eye, Ear and Throat Hospital made plans, 207 East 63d St. About $300,000. York & Sawyer, Arch.

N. Y., Whitesboro—High School—Bd. Education plans, about $85,000. A. Jones, Secy.

N. J., Bayonne—Hospital—Bd. Dir. Bayonne Hospital plans addition, about $75,000.

N. J., Dover—School—Bd. Education receiving bids Aug. 1, 2-story, about $100,000. J. T. Simpson, Essex Bldg., Newark, Arch. Noted Mar. 30.

N. J., Hightstown—Peddie Institute making plans for 3-story building. About $75,000. J. O. Jackson, 1328 Broadway, New York, Arch. Noted June 1.

N. J., Rahway—City Hall—City plans, about $150,000. F. Marsh, City Engr.

N. J., Ridgewood—High School—Bd. Education receiving bids Aug. 17, about $225,000. H. Ford, Clk. Tracy & Swartout, 244 5th Ave., New York, Arch. Noted Mar. 30.

N. J., West Hoboken—Town Hall—Council making plans, about $100,000. Fagan & Briscoe, 95 River St., Hoboken, Arch.

Penn., Altoona—Hospital—Mercy Hospital Association making plans, 3-story, 42x98-ft. addition. About $50,000. J. A. Elder, Pres. Noted Mar. 30.

Penn., Bradford—Church—Presbyterian Congregation plans. About $100,000. L. E. Mallory, Chn. Bd. of Trustees.

Penn., Butler—High School—Bd. Education receiving bids about Aug. 17. About $400,000. W. G. Eckles, Lawrence Savings Bank Bldg., New Castle, Arch.

Penn., Crafton—Church—First U. P. Church making plans, 1-story, 80x114-ft. About $40,000. T. Hannah, Koeman Bldg., Pittsburgh, Arch.

Penn., Ellwood City—Club House—Shelby Steel Tube Co. made plans, about $40,000. Carlisle & Sharrer, Pittsburgh, Arch. Noted May 11.

Penn., Gettsburg—Hotel—K. S. Lynch, Lincoln Way Hotel, making plans, 5-story. About $80,000. H. E. De Hoff, 48 South 61st St., Philadelphia, Arch.

Penn., Philadelphia—Bank and Office—Girard Life Insurance Co. plans, 2-story, 24x100-ft. About $50,000. N. T. Follwell, Pres.

Penn., Philadelphia—Bank and Office—Franklin Trust Co. made plans, 10-story, 45x100-ft. About $300,000. De Armond, Ashmead & Bickley, 1529 Chestnut St., Arch. Noted June 15.

Penn., Philadelphia—Club House—C. S. Wesley, 1420 Chestnut St., plans, site of Briggs Riding Academy, 2521 Fairmount Ave. About $110,000.

Penn., Reading—Club House—Wyomissing Club plans, about $80,000. R. G. Bushong, Pres.

Penn., Reading—Exchange Building—Bell Telephone Co. plans to improve and enlarge, about $50,000.

Penn., Ridley Park—High School—Bd. Education making plans, 3-story. About $80,000. P. A. Davis, 1713 Sansom St., Philadelphia, Arch. Noted May 25.

Penn., Wilkes-Barre—Parish House—St. Stephens Episcopal Church making plans, 3-story, 80x140-ft. About $100,000.

Md., Baltimore—Dormitory—McDonogh School making plans, Jane Bay. About $40,000. K. W Hurchison, 101 Park Ave., New York, Arch.

Md., Westminister—Western Maryland Theological Seminary making plans for 3-story, seminary, chapel and dormitory. About $40,000. P. Reese, Times Bldg., Arch.

W. Va., Charleston—High School—Bd. Education receiving bids Aug. 15, 3-story, about $65,000.

Ga., Augusta—School—School Bd. receiving bids Aug. 29 for Houghton School, about $50,000. G L. Preacher, Augusta, Arch. Noted June 22.

La., Leesville—Schools—Vernon Parish School Bd. sold $220,000 for Rosepine High School and $220,000 for Hornbeck High School.

Ky., Covington—Hospital—Building Com. of Booth Memorial Hospital receiving bids Aug. 17 for addition. B. T. Wisenall, 617 First National Bank Bldg., Cincinnati, Arch. Noted Apr. 6.

Ky., Melbourne—Administration Building and Mother House—Sisters of Providence plan, 2- and 3-stories. H. McClory, 907 Gerke Bldg., Cincinnati, Arch.

Ky., New Albany—Asylum—County to build, about $40,000. A. R. Smith, Arch.

Ohio, Akron—Hospital—City Hospital making preliminary plans for addition and alterations, about $100,000. F. W. Streibinger, 1900 Euclid Ave., Cleveland, Arch.

Ohio, Akron—City Hall—City plans, about $125,000. F. W. Rockwell, Mayor.

Ohio, Bryan—School—Bd. Education receiving bids Aug. 3, East Butler and South Cherry St., about $120,000. F. A. Culbertson, Clk. W. H. Nichols, Euclid Bldg., Cleveland, Arch. Noted July 6.

Ohio, Cincinnati—Club House—Catholic Young Men's Association plans. About $200,000. Shattuck & Hussey, 19 South La Salle St., Chicago, Arch.

Ohio, Cincinnati—Hospital—Dir. Longview Hospital approved plans, about $250,000. Noted Jan. 13.

Ohio, Cincinnati—Business Men's Club plans 7-story building, 8th and Race St., about $1,000,000.

Ohio, Cleveland—Church—Plymouth Church made plans, Prospect and East 22d St., about $200,000. Steffens & Steffens, 1027 Williamson Bldg., Arch.

Ohio, Cleveland—Church—J. W. Corbusier, 309 Lennox Bldg., making plans, Detroit Ave., about $75,000.

Ohio, Dayton—Club House—Dayton Engineers' Club Building plans, about $100,000. Schenck & Williams, 591 Arcade Bldg., Arch.

Ohio, Dayton—Hospital—County will sell $50,000 bonds Aug. 1. W. H. Azling, Dayton, Clk.

Ohio, Mansfield—Hospital—Bd. Trus. receiving bids Aug. 2. V. Redding, 301 Bird Bldg., Arch. Noted Feb. 24.

Ohio, Massillon—Nurses' Home—Massillon Hospital Association receiving bids Aug. 1, 3-story, 39x111-ft. About $50,000. E. Herman, Central Savings and Trust Bldg., Canton, Arch.

Ohio, Moorefield—School—Bd. Education receiving bids Aug. 4. J. S. Simpson, Clk. R. E. Gotwald, Gotwald Bldg., Springfield, Arch.

Ohio, Toledo—Administration Building—County will soon receive bids, 3-story, about $85,000. T. F. Huber, 752 Spitzer Bldg., Arch. and Engr.

Ohio, Wellington—High School—Bd. Education receiving bids Aug. 2, about $55,000. Althouse & Jones, Citizens Bldg., Mansfield, Arch. Noted July 20.

Ind., Brooklyn—Sanitarium—T. Daggy and J. E. Comer, Mooresville, plan, 3-story. About $100,000.

Ind., Greencastle—Administration Building—De Pauw University making preliminary plans, about $50,000. R. F. Faggett, 956 Lemcke Annex, Indianapolis, Arch.

Ind., Linton—Freeman City Hospital making plans for nurses' home and training school. J. Fritz, Arch.

Ind., Logansport—City Hall—City plans. H. H. Thompson, City Engr.

Ind., Mooresville—Sanatorium—Mooresville Sanitorium plans, Bethany Park, about $100,000. T. B. Daggy and J. E. Comer, M. D., Mooresville, in charge.

Ind., South Bend—Bank—Mishawaka Trust Co. to build, 5-story, about $120,000.

Mich., Ann Arbor—Schools—Citizens voted $60,000 bonds for Bach and Meek Schools. G. T. Ray, Secy. Bd. Education.

Mich., Battle Creek—Y. W. C. A. receiving bids about Aug. 5 for building. About $50,000. C. D. McLane, Robinson Bldg., Rock Island, Ill., Arch. Noted May 25.

Mich., Detroit—Y. W. C. A. making plans for building at East Adams Ave. and Witherell St. About $300,000. C. W. Cowie, Pres. Noted Dec. 30.

Mich., Pontiac—High School—Bd. Education votes about Aug. 1 on $90,000 bonds for addition. S. E. Beach, Pres.

Ill., Aledo—Church—First M. E. Church making plans, about $45,000. W. C. Jones, 30 North LaSalle St., Chicago, Arch. Noted Apr. 13.

Ill., Chicago—School—Catholic Diocese of Chicago, St. Mel's School, plans, 3-story, 100x175-ft. About $80,000. Rev. McDonald, 22 North Kildare Ave., in charge.

Ill., Chicago—School, Church and Auditorium—Our Lady of Solace Church receiving bids about Aug. 1. About $60,000. Z. T. Davis, 64 East Van Buren St., Assoc. Arch.

Ill., Oak Park—Oak Park Hospital plans nurses' home and training school. About $75,000. Sister Lawrence, Wisconsin and Madison St., in charge.

Ill., Steger—Hospital—J. V. Steger Estate plans. About $50,000. G. F. Steger, 238 South Wabash Ave., Chicago, Trustee.

Ill., Streator—School—Bd. Education receiving bids Aug. 2, Sherman School, Dist. 45. P. Saunders, Secy. E. R. Funsten, Racine, Arch. Noted July 20.

Ill., Woodriver—High School—Bd. Education making plans. About $50,000. J. W. Wennedy, Cahokio Bldg., East St. Louis, Arch. Noted Dec. 23.

Wis., Beloit—School—City made plans, about $70,000. Peterson & Johnson, Lundberg Bldg., Rockford, Ill., Arch.

Wis., Berlin—School—Bd. Education making plans. About $100,000. Parkinson & Dockendorff, La Crosse, Arch. Noted June 29.

Wis., Eau Claire—Hospital—Luther Hospital receiving bids Aug. 8. H. M. Knudson, Secy.

Wis., Kenosha—Club House—Bldg. Com. B. P. O. E. receiving bids Aug. 3, about $80,000. Noted Apr. 27.

Wis., Platteville—High School—Bd. Education to make plans, about $100,000.

Iowa, Carroll—High School—Citizens voted $100,000 bonds. C. A. Dieman & Co., Granby Bldg., Cedar Rapids, Arch. Noted July 6.

Iowa, Cedar Rapids—Church—First Baptist Congregation plans. About $50,000. W. C. Jones, 30 North La Salle St., Chicago, Arch.

Iowa, Ft. Dodge—Schools—Citizens voted $70,000 bonds. J. L. Porter, Secy. Noted June 22.

Iowa, Mason City—School—Bd. Education receives bids about Aug. 1, 138x210-ft., about $250,000. J. H. Felt & Co., 800 Grand Ave., Temple, Kansas City, Mo., Arch. Noted July 20.

Iowa, Orange City—(Official)—Bank—Orange City National Bank receiving bids Aug. 3. About $75,000. Buettler & Arnold, 609 Security Bldg., Sioux City, Arch. Noted July 13.

Iowa, Ottumwa—(Official)—High School—Citizens defeated $125,000 bonds. Noted June 29.

Neb., Omaha—Art Museum—City will ask Council to call election to vote on $250,000 bonds.

Neb., Omaha—Hotel—J. T. Allen, Arch., Brandeis Theater Bldg., making plans, 7-story, 66x132-ft. About $100,000.

S. D., Mitchell—Hospital—Methodist State Hospital receiving bids Sept. 1, 3-story, 84x108-ft. About $75,000. J. C. Chapman, Paulton Blk., Sioux Falls, Arch. Noted Apr. 13.

Mont., Missoula—High School—City election soon to vote on $75,000 bonds.

Mo., Carthage—Schools—Bd. Education receiving bids July 31 for 2 schools. About $90,000. J. H. Felt & Co., Grand Ave. Temple Bldg., Kansas City, Arch. Noted July 20.

Mo., Joplin—Y. M. C. A. plans building, about $60,900.

Mo., Joplin—School—City soon lets contract, about $250,000. Smith, Rea & Lovett, Finance Bldg., Kansas City, Arch.

Mo., Moberly—High School—Bd. Education receiving bids Aug. 10, 2-story 50x75-ft. addition. About $40,000. W. H. Sayler, 606 Gumbel Bldg., Kansas City, Mo., Arch. Noted May 11.

BUILDINGS—Continued

Mo., St. Louis—Road House—Anheuser Busch Brewing Association receiving bids in August. About $75,000. Klipstein & Rathmann, Chemical Bldg., Arch.

Ark., Ft. Smith—Church—Methodist Church plans, about $80,000.

Tex., Cleburne—Temple—Masonic Lodge plans, 5-story.

Tex., Farwell—Courthouse—City making plans courthouse, about $50,000. C. Risser & Co., Amarillo, Arch.

Tex., Henrietta — Church — First Methodist Church soon lets contract.

Okla., Tulsa—Masonic Temple—Ackcar Temple Assoc. plans, 7th and Boston St., about $150,000.

Colo., Las Animas—School—School Dist. No. 1 voted $50,000 bonds. Noted June 29.

Idaho, Gooding — College — Trustees Gooding Methodist College plans, about $200,000. S. J. Chaney, Pres.

Ariz., Bisbee—Schools—School Dist. voted $75,000 bonds.

Calif., Hanford—School—City defeated $40,000 bonds. Noted June 29.

Calif., Hayward—School—School Bd. plans, about $100,000. F. I. Lemos, Clk.

Calif., San Bernardino—Hospital—County receives bids latter part of August, about $100,000. L. Farrell, 615 Fay Bldg., Los Angeles. Arch. Noted May 16.

Alta., Red Deer—College—Provincial Government plans addition to Alberta Ladies' College. About $200,000 or $300,000. A. Blakey, Parliament Bldg., Edmonton, Arch.

Bids In and Contracts Awarded

N. H., Manchester—School—City let contract to BUNTON & BERNARD, Manchester, about $65,000. Noted June 15.

Vt., St. Johnsbury—Armory—City let contract to H. P. CUMMINGS CONSTRUCTION CO., Ware, Mass.

Mass., Boston—Theater—New Columbia Theater Co. let contract to FLEISCHMANN CONSTRUCTION CO., Old South Bldg. About $250,000.

Mass., Boston—Building—Nashua Investment Co. let contract to T. A. CLARKE CO., 182 Livingston St., New York. Leased by U. S. Government. About $200,000.

Mass., Cambridge—Club House—Iriquois Club let contract to G. A. FULLER CO., 131 State St., Boston.

Mass., Waltham—School—City let contract, 2-story, to G. T. O'BRIEN, 29 Bay St., Cambridge. About $41,500.

R. I., Providence—Asylum—St. Vincent De Paul Infant Asylum Society let contract to W. H. HAMLYN & SON, 78 Mawney St., about $50,000.

Conn., Bridgeport—Grade School—City let contract, 2-story addition, to CASEY & HURLEY, 120 Pequonnock St. About $112,000. Noted Feb. 3.

Conn., Bridgeport—Bank—Bridgeport Savings Bank, 165 State St., let contract, 2-story, 64x64-ft., to E. BROOKS CO., 3 West 39th St., New York. Noted Jan. 13.

N. Y., Buffalo—Bank—Bank of Buffalo let contract, 3-story, 47x80-ft., to J. W. COWPER CO., 726 Fidelity Bldg.

N. Y., New Rochelle—Theater—New Rochelle Theater Co. let contract, 1-story, to J. McKEEFREY, 1415 Broadway, New York. About $50,000. Noted Mar. 2.

N. Y., Troy—School—St. Mary's Church let contract to W. E. MARTIN CO., Front St., about $100,000. Noted June 29.

N. J., Belleville—School—Bd. Education let contract, additions to Silver Lake School, to AUSTIN J. WALDRON, 29 Overlook Ave. About $42,000. Noted Feb. 3.

N. J., Elizabeth—Schools—Bd. Education let contract (2) to M. BYRNES BUILDING CO., Elizabeth. About $50,506 and $50,676. Noted Mar. 2.

Penn., Altoona—Bank—Lincoln Trust Co. let contract, 2-story, 50x120-ft., to ALTOONA CONSTRUCTION CO. About $75,000. Noted June 1.

Penn., Arnold—Grade School—Bd. Education let contract, addition, Victoria Ave., to WORK BROS. About $42,000. Noted Apr. 20.

Penn., Bethlehem—School—Bd. Education let contract, 2-story, 81x187-ft., to J. A. NAGLE, 12 South 12th St., Allentown. About $59,000. Noted Mar. 9.

Penn., Chester—Church—Providence Avenue M. E. Church let contract, 1-story, 59x66-ft., to THOMAS C. TRAFFORD, 1613 Sansom St., Philadelphia. About $40,000.

Penn., Lancaster—Dormitory and Refectory—Reformed Theological Seminary let contract to H. L. WIANTI, Lancaster, about $100,000. Noted June 29.

Penn., Uniontown—School—Bd. Education let contract to G. M. HALL CO., Homestead, $92,212. Noted June 22.

Del., Newark—Delaware State College let contract 3-story building to GEORGE & BORST, 277 South 11th St., Philadelphia. About $75,000. Noted June 8.

Md., Hagerstown—School—Washington County School Bd. let contract to A. REECHER, Hagerstown, $40,725. Noted June 8.

Ga., Augusta—Theater—Real Estate Development Co. let contract to A. J. TWIGGS & SON, Augusta. About $100,000.

La., Baton Rouge—Schools—City let contract (2) to J. O. BRATHER and (1) to J. CASSINO, both Baton Rouge. Noted June 29.

Ky., Lexington—High School—Bd. Education let contract to COMBS LUMBER CO., $55,468. Noted Apr. 6.

Ohio, Bowling Green—(Official)—Bd. of Trustees, Bowling Green State Normal College, let contract training school and connecting corridor to administration building to STEINLE CONSTRUCTION CO., Fremont, $94,545. Noted July 6.

Ohio, Cincinnati—Ohio Miami Medical College of University of Cincinnati let contract 3-story building to WESTLAKE CONSTRUCTION CO., 717 Locust St., St. Louis, Mo. About $250,000. Noted Jan. 13.

Ohio, Cleveland—Club House—Cleveland Federation of Labor let contract, 4-story, 102x160-ft., to WALTHERS ENGINEERING CO., 1941 East 66th St. About $100,000. Noted June 8.

Ohio, Cleveland—Hotel—Murphy Hotel Co. let contract, 9-story, 50x84-ft., to J. L. STUART, Marshall Bldg. About $140,000. Noted Sept. 23.

Ohio, New Straitsville—(Official)—School—Bd. Education let contract to TAYLOR & LINN, Zanesville. Noted July 6.

Ohio, Youngstown—Bank and Office—Home Saving and Loan Co. let contract, 8-story, 70x135-ft., to HELLER BROS., Furnace St. About $250,000.

Mich., Grand Rapids—High School—Bd. Education let contract addition to GENTZ BROS., Grand Rapids, $112,935. Noted Mar. 2.

Ill., Chicago—High School—Bd. Education let contract, 2-story, 152x244-ft., to B. J. REGNELL, 19 South LaSalle St.

Wis., Grand Rapids—Bank—Citizens National Bank let contract to A. F. BILLMYRE, Grand Rapids. Noted Mar. 30.

Wis., Milwaukee—Club House—Ticonic Investment Co., 927 Wells Bldg., let contract, 12-story, 120x120-ft., to FOSTER CONSTRUCTION CO., Caswell Blk. About $600,000. Noted Nov. 11.

Wis., Milwaukee—Bank—Mitchell Street State Bank let contract, 2-story, 30x126-ft., to S. J. WABISZEWSKI, 880 Layton Blvd. About $75,000. Noted May 18.

Wis., New Richmond—Grade School—Bd. Education let contract to FARNAM BROS., Minneapolis. About $40,000. Noted June 1.

Wis., Portage—High School—City let contract to NORTHERN CONSTRUCTION CO., 421 Milwaukee St., Milwaukee. About $89,000. Noted June 22.

Wis., Shawano—High School—Bd. Education let contract to IMMEL CONSTRUCTION CO., Fond du Lac, $77,843. Noted Apr. 27.

Iowa, Des Moines—School—Bd. Education let contract, 2-story, Lucas, to GETCHELL & SUGARMAN, 212 Arcade News Bldg. About $50,000.

Iowa, Des Moines—School—Bd. Education let contract, Given Nash, to W. F. KUCHARO, Hubbell Bldg. About $75,000.

Iowa, Fairbanks—School—Bd. Education let contract, 2-story, 80x100-ft., to BRAUN BROS., Dubuque. About $50,000. Noted May 11.

Minn., Adams—School—Bd. Education let contract to FLEISCHER CONSTRUCTION CO., 515 Plymouth Bldg., Minneapolis. About $40,000. Noted July 6.

Minn., Duluth—Theater—F. M. Phelps let contract 3-story, 50x140-ft., to DAUPLAISE & CO., 1111 Tower Ave., Superior, Wis. About $120,000.

Minn., Hibbing—Hospital—E. S. Adams, 426 Mahoning St., let contract to EARNAM BROS., 205 Plymouth Bldg., Duluth.

Minn., Hibbing—Library—Library Bd. let contract addition Carnegie Library to TOMLINSON & EGAN, Ashland, about $70,125. Noted May 4.

Kan., Emporia—Administration Building—College of Emporia let contract to RHIEHART DONOVAN CO., Oklahoma, about $95,000.

Mo., Columbia—Hotel and Store—Daniel Boone Tavern Co. let contract to L. W. DUMES CONSTRUCTION CO., Guitar Bldg., Columbia. About $110,000. Noted Mar. 9.

Mo., Nevada—Sisters of St. Francis let contract convent, orphanage, chapel and dormitory to W. M. SUTHERLAND B. & C. CO., 915 Olive St., St. Louis. About $100,000. Noted Apr. 6.

Tex., Van Alstyne—High School—Bd. Education let contract to WALL & GIBBS, Sherman.

Okla., Oklahoma—Hospital—Sisters of St. Francis let contract addition to St. Anthony's Hospital to A. O. CAMPBELL, Oklahoma, $85,000. Noted Jan. 6.

ELIMINATION OF GRADE CROSSING, WINDSOR, CONN.

Bids received June 20 by State Highway Commissioner for elimination of grade crossing, from (A) Hyde Park Construction Co., 164 Federal St., Boston; (B) Long Bros., 80 State St., Hartford; (C) Barbara & D'Auria, 63 Bank St., Waterbury; L. Suzio Construction Co., Colony St., Meriden, $41,477; F. Arrigoni & Bro., 605 Bank St., Middletown, $42,545; C. A. Sibley, 902 Chapel St., New Haven, $48,525. The item bids of the three lowest bidders were as follows:

	A	B	C
Grubbing (lump sum)	$800.00	$500.00	$200.00
14,500 cu.yd. earth excavation	.75	.50	.57
100 cu.yd. rock excavation	2.75	3.00	2.50
93 cu.yd. first-class concrete	10.00	12.00	9.43
50 cu.yd. masonry	6.50	7.00	6.50
1,880 cu.yd. second-class concrete	6.99	8.50	7.85
930 cu.yd. concrete pavement	6.00	6.75	7.85
4,500 sq.yd. reinforcing for pavement	.15	.15	.15
Five year guarantee bond for pavement (per sq.yd.)	.10	.05	.10
150 tons trap rock for road surface	1.65	3.50	2.75
50 tons trap rock screenings	1.65	3.50	2.75
600 cu.yd. crushed stone fill	2.00	2.50	2.50
5 catch basins and strainers (each)	75.00	30.00	35.00
120 lin.ft. 12-in. iron culvert	1.00	1.50	1.35
550 lin.ft. 18-in. iron culvert	1.00	1.25	1.45
400 sq.yd. cobble gutters	1.10	.70	.65
5,000 sq.ft. concrete walk	.11	.15	.16
1,160 lin.ft. concrete curb	.99	1.00	1.00
100 sq.yd. turf relaid	.50	.25	.27
225 lin.ft. fence replaced	.30	.20	.15
1,100 lin.ft. wire fence	.15	.30	.20
465 lin.ft. gas pipe railing	1.25	1.60	1.45
1,500 lin.ft. wood guard railing	.30	.35	.35
Removing brick house (lump sum)	100.00	.50	300.00
Extended totals	$39,178	$39,800	$40,284

In connection with the state contract, the New York, New Haven & Hartford Railroad Co., and the Hartford & Springfield Street Railway Co. will do work on their tracks to conform to the general plan of elimination. The total estimated cost of all the work is placed at $90,000 to $100,000.

BARGE CANAL, ALBANY, N. Y. Contract No. A-1

Bids received June 27 by W. W. Wotherspoon, State Supt. Pub. Wks., for Barge Canal work, Contract No. A-1, from (A) Sherman-Stalter Co., Lyons; (B) E. Brown Baker, Herkimer; (C) Larkin & Sangster, Buffalo. The item bids were as follows:

	A	B	C
Coffer-dams, pumping, bailing and draining (lump sum)	$1,000.00	$600.00	$600.00
1,570 cu.yd. excavation	.75	1.10	1.10
250 cu.yd. forming embankment	.25	.25	.25
555 cu.yd. lining	1.25	1.50	1.50
12,850 sq.ft. steel sheet piling	1.25	1.40	1.25
235 cu.yd. second-class concrete	8.00	8.00	8.00
90 cu.yd. concrete in fish ladder	15.00	15.00	15.00
120 lb. metal reinforcement	.04	.04	.04
Repairing, maintaining and removing temporary dam (lump sum)	3,600.00	3,500.00	6,200.00
Extended totals	$25,831	$27,946	$28,719

The Westinghouse Air Brake Co. and the **Westinghouse Traction Brake Co.** have removed their St. Louis offices from the Security Bldg. to Suite 1407-1415 Boatmen's Bank Bldg., St. Louis, Mo. C. P. Cass is Mgr.

The Sullivan Machinery Co., 122 South Michigan Ave., Chicago, and Salisbury House, London, England, has established an agency in Holland with Messrs. Petrie & Co., Heerengracht, 141-145, Amsterdam, as its special representative. Through this company the Sullivan air compressors, rock drills, hammer drills, diamond core drills, quarrying and coal-mining machinery will be handled in the Netherlands. This arrangement replaces the Sullivan Machinery Co. agency previously established at the Hague.

Steel Improvements—Following an inspection of the recently acquired Steelton and Maryland plants of the Bethlehem Steel Co., Charles M. Schwarb, Chn. Bd. of Dirs., announced a $70,000,000 improvement program, as follows: $30,000,000 at South Bethlehem; $30,000,000 at Sparrow's Point, and $10,000,000 at Steelton. Improvements at Steelton include blast furnaces, mills, three 20-ton converters, one 150-ton mixer, and two rolling mills, also additional coking facilities will be added. Four blast furnaces, ship yard and plate mills will be added at Sparrow's Point, Md.

SEWAGE DISPOSAL PLANT, HOUSTON, TEX.

Bids received by city for North Side disposal plant from (A) Horton & Horton; (B) H. C. Gass. The item bids were as follows:

	A	B
Plant complete (except excavation) (lump sum)	$164,500.00	$168,290.00
6,500 cu.yd. excavation	1.25	1.30
25 cu.yd. Class I concrete	10.00	12.00
25 cu.yd. Class II concrete	12.00	14.00
175 cu.yd. Class III concrete	12.50	15.00
10,000 lb. reinforcing steel (new billet)	.06	.10
40,000 lb. reinforcing steel (rerolled)	.05	.10
100 cu.yd. conc. water-proofing for concrete	1.50	1.50
6,000 lin.ft. round timber piling (untreated)	.40	.45
100 lin.ft. round timber piling (treated)	.80	.75
2 M ft. b.m. timber sheet piling (untreated)	80.00	55.00
1 M ft. b.m. timber sheet piling (treated)	60.00	90.00
2,000 lb. bolts and tie rods	.10	.10
10 ft. 36-in. reinf. conc. sewer (except exc.)	4.25	5.00
10 ft. 36-in. vit. pipe sewer (except exc.)	5.50	6.00
10 ft. 30-in. vit. pipe sewer (except exc.)	3.50	4.00
10 ft. 24-in. vit. pipe sewer (except exc.)	2.00	1.60
10 ft. 6-in. vit. pipe sewer (except exc.)	.25	.20
40 ft. 20-in. w.-i. pipe	10.00	6.45
20 ft. 16-in. w.i.-pipe	7.00	4.40
20 ft. 12-in. w.-i. pipe	3.00	2.40
20 ft. 10-in. w.-i. pipe	2.50	1.95
20 ft. 8-in. w.-i. pipe	2.00	1.35
20 ft. 6-in. w.-i. pipe	1.25	.85
80 ft. 4-in. w.-i. pipe	.75	.50
100 ft. 3-in. galv. pipe	.50	.35
100 ft. 2-in. galv. pipe	.30	.24
200 ft. 1½-in. galv. pipe	.20	.19
200 ft. 1-in. galv. pipe	.15	.13
200 ft. ¾-in. galv. pipe	.10	.09
200 ft. ½-in. galv. pipe	.08	.06
1,000 lb. pipe fittings (black)	.10	.05
1,000 lb. pipe fittings (galv.)	.15	.06
10 ft. 24-in. c.-i. water pipe (leaded sts.)	6.00	6.40
10 ft. 12-in. c.-i. water pipe (leaded sts.)	3.00	2.40
10 ft. 8-in. c.-i. water pipe (leaded sts.)	2.00	1.25
100 ft. 4-in. c.-i. water pipe (leaded sts.)	1.00	.75
1 20-in. air valve	150.00	10.00
1 16-in. air valve	125.00	75.00
1 12-in. air valve	50.00	65.00
2 10-in. air valves	40.00	50.00
6 8-in. air valves	30.00	35.00
6 10-in. air valves	40.00	65.00
10 4-in. air valves	15.00	10.00
100 2-in. R.R. elbow unions	1.25	1.70
1 std. sanitary sewer manholes, 8 ft.	60.00	60.00
10 ft. extra depth in M. H. below 8 ft.	6.50	6.00
100 ft. concrete box drain, sect. X-X	2.00	.55
2,000 man-hr. labor (common)	.40	.35
2,000 team-hr. teams	.70	.70
2,000 lb. castings	.10	.08
100 sq.yd. 10-in. shell roadway	.60	.99
100 sq.ft. std. cement sidewalks	.16	.12
2 M ft. b.m. lumber left in place except sheet piling	30.00	35.00
Extended totals	$186,549	$193,199

INTERCEPTING SEWER, MILWAUKEE, WIS.

Bids received by the Sewerage Commission for Kinnickinnic River Intercepting Sewer, Sect. No. 1 from (A) Wisconsin Tunnel and Construction Co.; (B) James Ferry & Sons; (C) George E. Zimmerman; James Kennedy, $288,465; Fussel-McReynolds Co., $290,832; J. H. McKnight Construction Co., $305,169; J. Hanreddy, $322,152. The item bids of the 3 lowest bidders were as follows:

	A	B	C
1 regulating and by-pass chamber (lump sum)	$6,573.00	$12,000.00	$10,000.00
3,079 lin.ft. combined 48-in. c.i. and 6x4-ft. concrete sewer	53.00	59.80	54.00
2,122 lin.ft. 60-in. concrete sewer (in open cutting)	30.00	20.00	29.00
52 lin.ft. 54-in. reinforced concrete sewer	50.00	45.00	40.00
106 vert. ft. drop manholes	10.00	10.00	8.00
226 vert. ft. standard manholes	7.00	7.00	6.00
15 c.-i. manhole frames and covers	15.00	15.00	15.00
67,200 lin.ft. piles in place	.30	.30	.45
150,800 ft. b.m. plank foundation	30.00	30.00	28.00
56,000 ft. b.m. timber caps	40.00	40.00	30.00
5,253 lin.ft. underdrain	.30	.25	.40
Extended totals	$267,386	$272,008	$280,556

TRADE PUBLICATIONS

Automobile Trailers. Simplex Short-Turn Gear Co., Anderson, Ind. Catalog. Pp. 16; 6x9 in. This shows different models of the short-turn trailers made by this company.

Concrete Mixers. Cameron Schroth Co., Rush and N. Water St., Chicago, Ill. Catalog. Pp. 20; 5x7½ in. This describes concrete mixers made by this company, known as the "Whirlpool."

Electric Hoists. Sprague Electric Works, 527 W. 34th St., New York. Bulletin No. 48,906. Pp. 32; 8x10½ in. This illustrates and describes uses for ½-ton and 1-ton hoists.

"National" Matheson Joint Pipe. National Tube Co., Pittsburgh, Penn. Pamphlet. Pp. 72; 8x10 in. This is the third edition of this pamphlet, which has been revised and enlarged, and contains very fine reproductions of photographs, showing actual installations.

One Century in Business. Peter A. Frasse & Co., Inc., 417-421 Canal St., New York. This is an Anniversary Booklet, commemorating the one hundred years the company has been in business. It contains very fine pictures of the founder and the past and present officers of the company and an illustrations of the new electric steel works in Hartford, Conn.

Pipe Line Excavators. Pawling & Harnischfeger Co., Milwaukee, Wis. Bulletin No. IX. Pp. 20; 6x9 in. This describes wheel-type excavators for cutting trenches from 20 in. wide and 4½ ft. deep to 28 in. wide and 7½ ft. deep.

SEWAGE DISPOSAL PLANT, GREENWICH, CONN.

Bids received by Joint Sewage Commission for sewage disposal plant for borough from (A) Suburban Engineering Co., 15 West 38th St., New York; (B) Averill-Mathews, Essex Bldg., Newark, N. J.; (C) Carrington Construction Co., Jersey City. The item bids were as follows:

	A	B	C
Imhoff tanks, 8 sections	$37,500.00	$41,497.00	$40,500.00
Imhoff tanks per added unit-2	4,430.00	4,294.00	4,600.00
Brick wall	6,840.00	5,030.00	6,490.00
Pumping station	13,300.00	14,979.00	19,500.00
Concrete per yard	9.00	12.00	8.00
Sludge beds	1,085.00	1,200.00	1,900.00
Piling per foot	.60	.90	.35
Reinforcing per lb	.05¾	.06	.05
Rock per yard	7.50	3.50	3.00
Lumber foundation M b.m.	60.00	55.00	50.00
Extended totals	$67,662	$71,365	$77,651

RAPID TRANSIT SYSTEM, NEW YORK, N. Y.

Route No. 18, 180th St. Yard

Bids received by Public Service Commission, 120 Broadway, for 180th St. Yard, Route No. 18, part of White Plains Road Rapid Transit R.R. from (A) THOMAS J. BUCKLEY CONSTRUCTION CO. (awarded contract); (B) Rogers & Hagerty, Inc.; (C) Flick & Manuel Construction Co., Inc.; Oscar Daniels Co., $321,630; Thomas Dwyer, $346,312; S. M. De Pasquale, $348,078; L. J. Moran, $356,715; Degnon Contracting Co., $363,659; Kaufman & Garcey, $385,544; T. A. Gillespie Co., $403,240; Thomas A. Brown, $476,072. The item bids of the 3 lowest bidders were as follows:

	A	B	C
10,600 cu.yd. earth excavation above mean high water	$0.65	$3.75	$2.00
180,000 cu.yd. railroad embankment in place	.42	.40	.62
2,500 cu.yd. top soil for railroad embankment	1.50	1.50	.85
Removing trees, etc., from 180th st. yd.	1,500.00	200.00	100.00
16,500 cu.yd. concrete masonry in place	5.90	8.00	7.10
8,000 sq.yd. tooling of concrete surfaces	1.00	.70	1.15
20 cu.yd. brick masonry in place	25.00	15.00	19.00
10 cu.yd. removal of old masonry	20.00	20.00	4.00
5,000 lin.ft. timber piles in place	.75	.35	.45
2 M ft. b.m. timber foundations	100.00	60.00	30.00
5,000 cu.yd. broken stone in place	2.00	.05	1.75
800 sq.yd. 1-ply waterproofing	.75	.30	.35
100 sq.yd. 3-ply waterproofing	1.50	1.00	1.15
8,500 sq.yd. waterproofing without fabric	.60	.20	.20
1,100 lin.ft. 4-in. vitrified pipe	.30	.40	.45
40 tons steel beams and shapes	90.00	80.00	80.00
360 tons steel rods and bars	82.00	88.00	73.00
2 tons miscellaneous iron castings	100.00	100.00	75.00
1,000 lb. special wire forms	.15	.10	.25
2,650 lin.ft. w.-i. pipe railing	.80	.80	.75
100 sq.yd. street surface restored	2.00	1.50	.75
50 sq.yd. park surface restored	3.00	1.00	.75
400 bolleana poplar trees	3.00	2.00	3.00
2,650 California privet hedge	.25	.10	.10
220 tons c.-i. sewer pipe	75.00	1.00	28.00
10 tons c.-i. sewer pipe special	100.00	1.00	79.00
Extended totals	$269,222	$297,195	$315,840

BRIDGE, NASHVILLE, TENN.

Bids received by Davidson County Commissioners for bridge over Cumberland River at Hydes Ferry from (A) GOULD CONTRACTING CO. (awarded contract); (B) Toledo Bridge and Crane Co.; (C) Foster & Creighton Co.; Walter Rae, $282,850; Pennsylvania Steel Co., $252,267; Nashville Bridge Co., $266,233. The item bids of the 3 lowest bidders were as follows:

	A	B	C
4,650 lin.ft. concrete piles	$1.40	$1.41	$1.41
1,240 cu.yd. stone masonry	12.00	17.93	17.93
935 cu.yd. Class B concrete	7.25	10.15	10.15
1,920 cu.yd. Class A concrete	13.00	13.25	13.25
1,450 tons structural steel	106.00	107.20	110.91
135 tons reinforcing steel	80.00	64.50	64.50
1,750 lin.ft. hand rail	2.50	3.10	3.07
2,770 sq.yd. brick paving	2.25	3.02	3.02
Extended totals	$228,236	$241,657	$246,984

Portable Direct Reading Bond Testers. Roller-Smith Co., 233 Broadway, New York. Bulletin No. 200. Pp. 4; 6x9 in. Illustrated. Describes apparatus for testing conductivity of electric-railway track joints.

An Elevator Safety Code to cover the construction and operation of building elevators has been prepared by the Pennsylvania State Industrial Board and was effective July 1. By the terms of the code every elevator constructed after July 1 may be built only after two sets of plans and specifications have been submitted to the Department of Labor and Industry, approved, and a permit issued. Passenger elevators must be of electric-drum, electric-traction, electric automatic push button hydraulic-plunger, horizontal-cylinder or vertical-cylinder types. No passenger elevator may be operated by means of belts or chains, friction gearing or clutch mechanism. Elevators must not be built in any thoroughfare where it will be necessary to pass through the shaft. The lifting capacity of passenger lifts must be 80 lb. per sq.ft. and no machine may be operated at more than 600 ft. per sec.

Proposed Extension of Railways in New Brunswick as published by the bureau of Foreign and Domestic Commerce—The Legislature of New Brunswick has just passed a bill providing for the construction of two extensions of the St. John Valley Ry. This railway is now in operation by the Government for a distance of about 120 mi., between Centerville, a town close to the Maine boundary, and Gagetown, a point about 25 mi. south of Fredericton, the capital, through which the road passes. One extension that is to be completed some time in the early part of 1917 runs from Gagetown about 45 mi. southwest to Westfield, where connection will be made with the Canadian Pacific Ry. into the City of St. John, the metropolis of the Province. [The contract for this portion has just been awarded to the Nova Scotia Contracting Co., of Halifax, Nova Scotia.] A later extension provided for in this bill is a line running north from Centerville to Andover, a distance of about 20 mi., the road to be almost parallel with the eastern boundary of Maine, and about 8 mi. east thereof.